KimCrick.com Art and Craft Supply
Magical animal, fairy, mermaid, nature and Art Nouveau style
paintings, stamps and molds. DIY jewelry, tutorials and reviews.

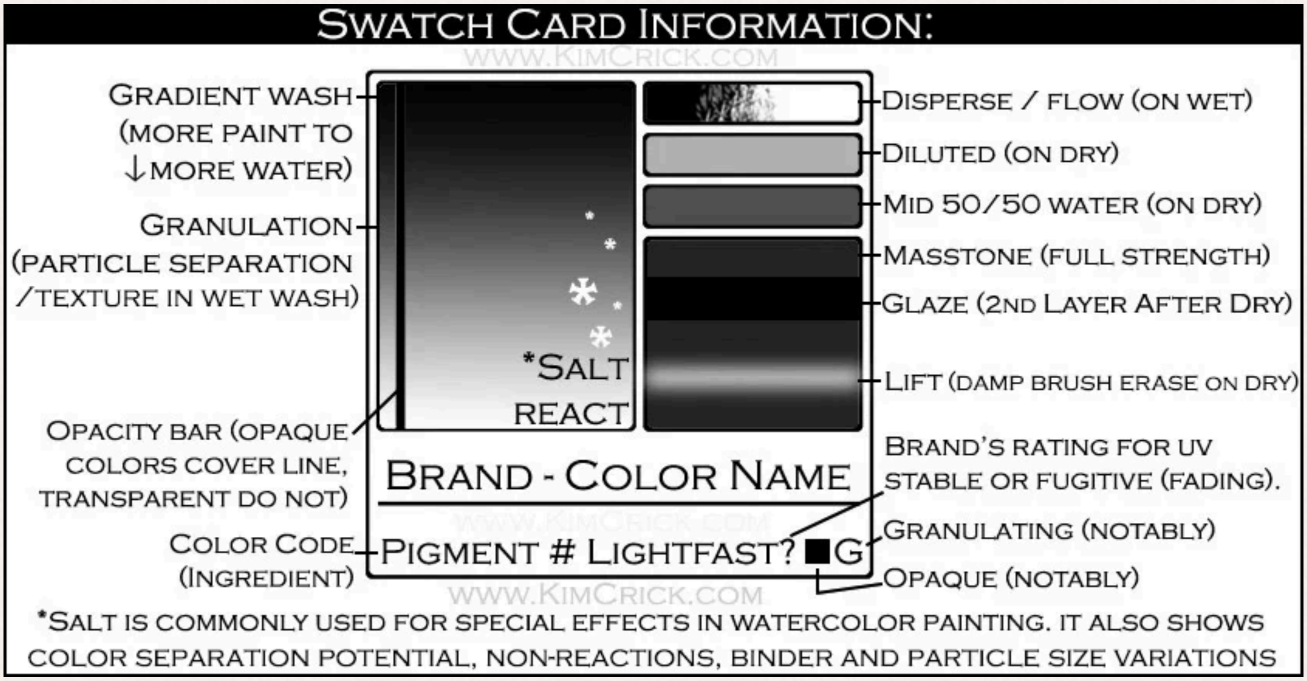
Orders ship out weekly (within 7 days) via USPS to the USA only. Delivery ETA 7-12 business days. Digital swatch card templates, coloring book line drawings, watercolor printable files available worldwide at www.patreon.com/KimberlyCrickArt

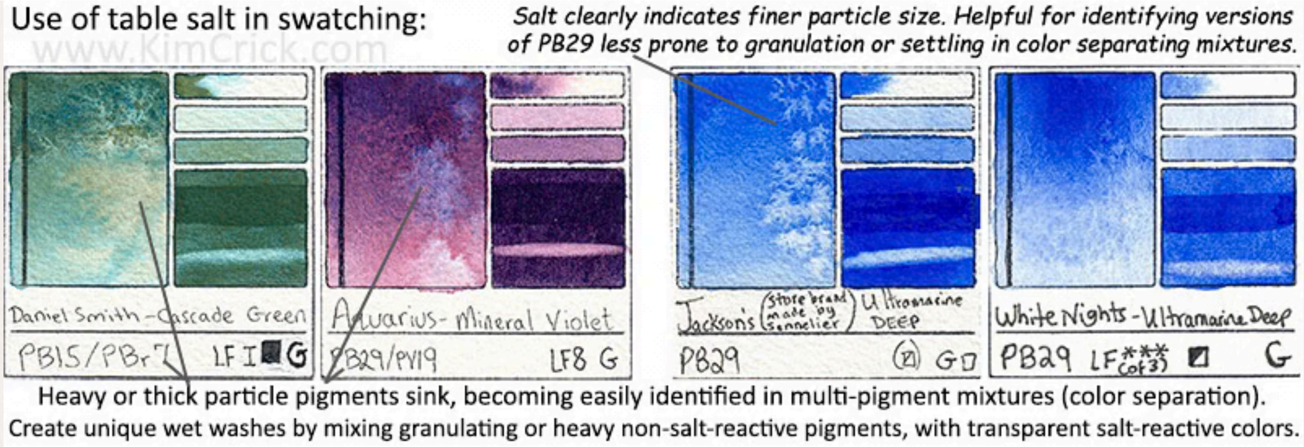
BLACK Art Supply Pigment Database Watercolor Acrylic Ink Pencil Color Chart Swatch

Artist reference guide to **Black** pigments in art supplies. Color chart swatch cards of common pigments in watercolor, gouache, acrylic paint, inks, graphite, charcoal and colored pencils. Each entry includes lightfast ratings from the brand (and any fugitive test result notes from me), index by pigment number code, brand, manufacturer color name, how the color appears in masstone (full strength) or diluted (with water). Each image displays opacity, lifting (erasing with a damp brush), layering (see how dark of a value can be obtained by a 2nd coat of paint) and if it's capable of holding a smooth gradient blend in wet.

PBk1 , PBk6 , PBk7 , PBk8 , PBk9 , Graphite PBk10 , PBk11 , PBk12 , PBk13 , PBk14 , PBk17 , PBk18 , PBk19 , PBk22 , PBk23 , PBk24 , PBk25 , PBk26 , PBk27 , PBk28 , PBk29 , PBk30 , PBk31 , PBk32 , PBk33 , PBk34 , PBk35

Natural, antiquity, mineral or unique black pigments: NBk1, NBk2, NBk3, NBk4 , NBk6 , Acetylene Black , Antimony Black , Black Earth , Black Tourmaline Genuine , Bloodstone Genuine , Cobaltic Oxide , Cuprous Sulfide , Hartshorn Black , Ivory Black Genuine , Lead Sulfide


SWATCH CARD INFORMATION:
WWW.KIMCRICK.COM
GRADIENT WASH (MORE PAINT TO ↓MORE WATER)
GRANULATION (PARTICLE SEPARATION /TEXTURE IN WET WASH)
OPACITY BAR (OPAQUE COLORS COVER LINE, TRANSPARENT DO NOT)
COLOR CODE (INGREDIENT)
*SALT REACT
BRAND - COLOR NAME
PIGMENT # LIGHTFAST? ■G
DISPERSE / FLOW (ON WET)
DILUTED (ON DRY)
MID 50/50 WATER (ON DRY)
MASSTONE (FULL STRENGTH)
GLAZE (2ND LAYER AFTER DRY)
LIFT (DAMP BRUSH ERASE ON DRY)
BRAND'S RATING FOR UV STABLE OR FUGITIVE (FADING).
GRANULATING (NOTABLY)
OPAQUE (NOTABLY)
WWW.KIMCRICK.COM
*SALT IS COMMONLY USED FOR SPECIAL EFFECTS IN WATERCOLOR PAINTING. IT ALSO SHOWS COLOR SEPARATION POTENTIAL, NON-REACTIONS, BINDER AND PARTICLE SIZE VARIATIONS


Use of table salt in swatching:

Salt clearly indicates finer particle size. Helpful for identifying versions of PB29 less prone to granulation or settling in color separating mixtures.

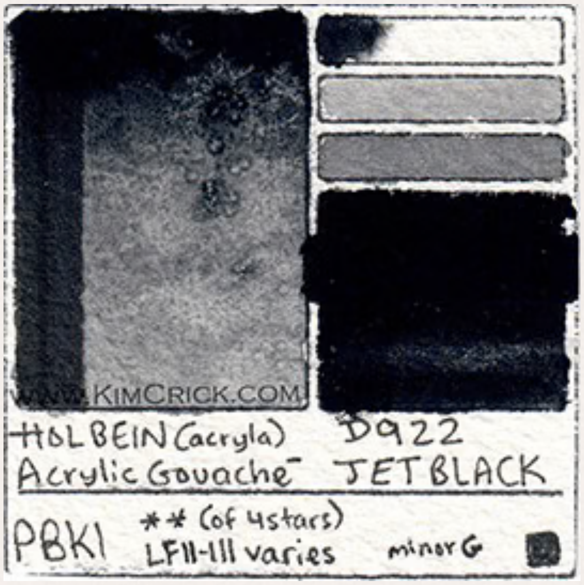
Heavy or thick particle pigments sink, becoming easily identified in multi-pigment mixtures (color separation).

Create unique wet washes by mixing granulating or heavy non-salt-reactive pigments, with transparent salt-reactive colors.

www.KimCrick.com
Daniel Smith - Cascade Green
PB15/PBr7 LF I G
Aquarius - Mineral Violet
PB29/PV19 LF8 G
Jackson's (Store brand made by Sennelier) Ultramarine DEEP
PB29 G
White Nights - Ultramarine Deep
PB29 LF*** (of 3) G

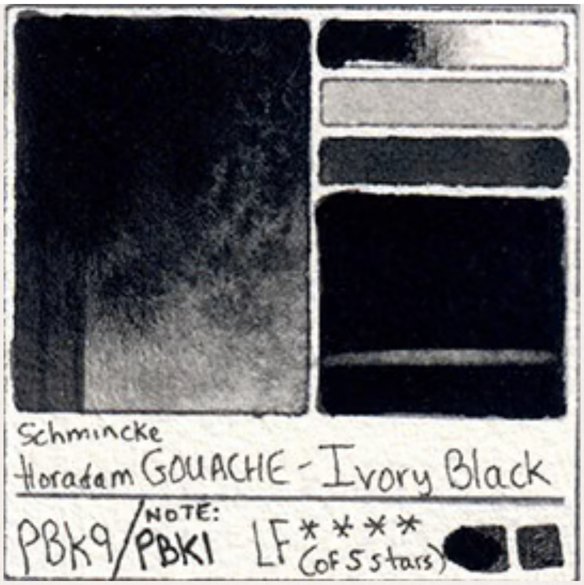
PBk1 Aniline Black:

Also known as Aniline, Azine, Jet or Peach Black. Considered the least lightfast black, with variable fading from LFII to LFIV depending on the brand and form. It has been used as a clothing dye and most often present in student grade gouache paints. This dark value matte black is also mixed in with the more stable PBk7 or PBk9 in some brands to increase its lightfastness. Shinhan Korea and Holbein Japan both offer PBk1 in watercolor form, lightfast test in progress (any updates will be added to the fugitive pigments list page) (C.I. 50440).

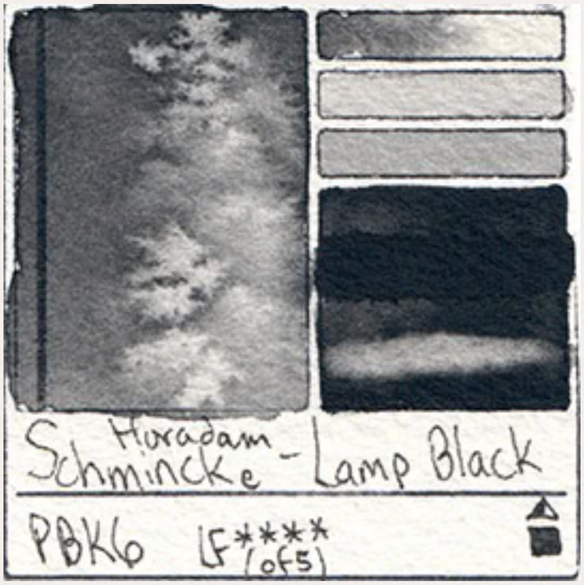


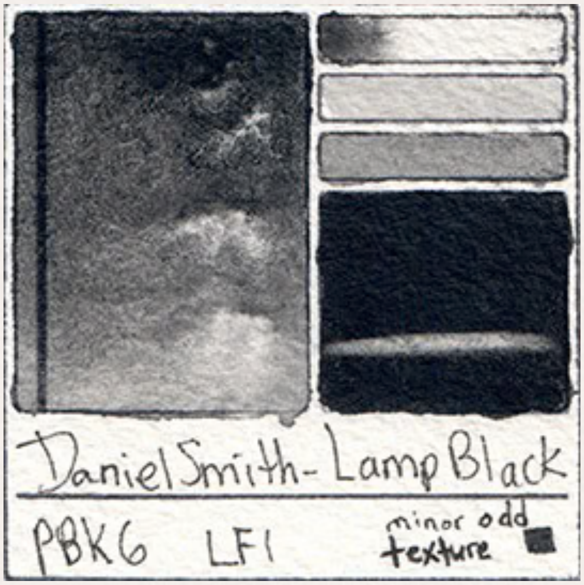
WWW.KIMCRICK.COM
HOLBEIN (acryla) D922
Acrylic Gouache JET BLACK
PBK1 ** (of 4stars) LFII-III varies minor G

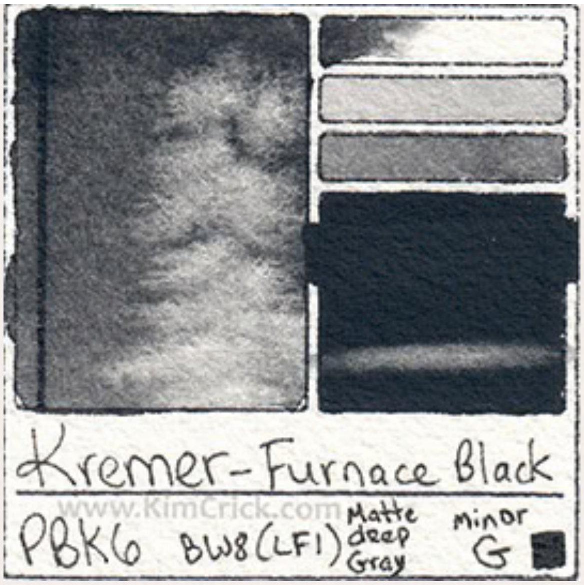
PBk1 Mixtures:


Schmincke
Horadam GOUACHE - Ivory Black
PBk9/
NOTE:
PBK1
LF****
(of 5 stars)

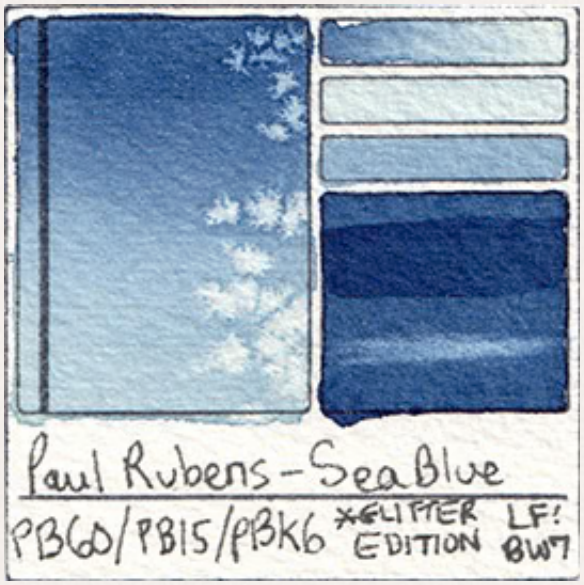
PBk6 Carbon Black:
Also known as Lamp Black. LFI / BW8. Staining black made synthetically from petroleum residue, or found naturally in Shungite. Many companies have labeled their PBk6 paint as Lamp Black, but that should not be confused with PBk7. (C.I. 77266)

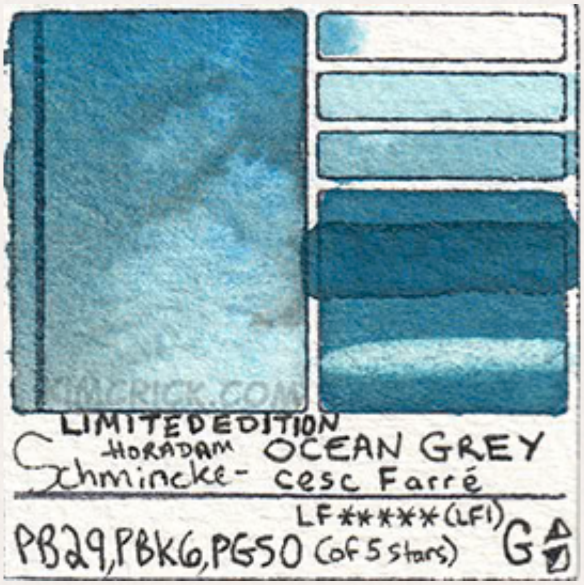

Horadam
Schmincke - Lamp Black
PBK6
LF****
(of 5)

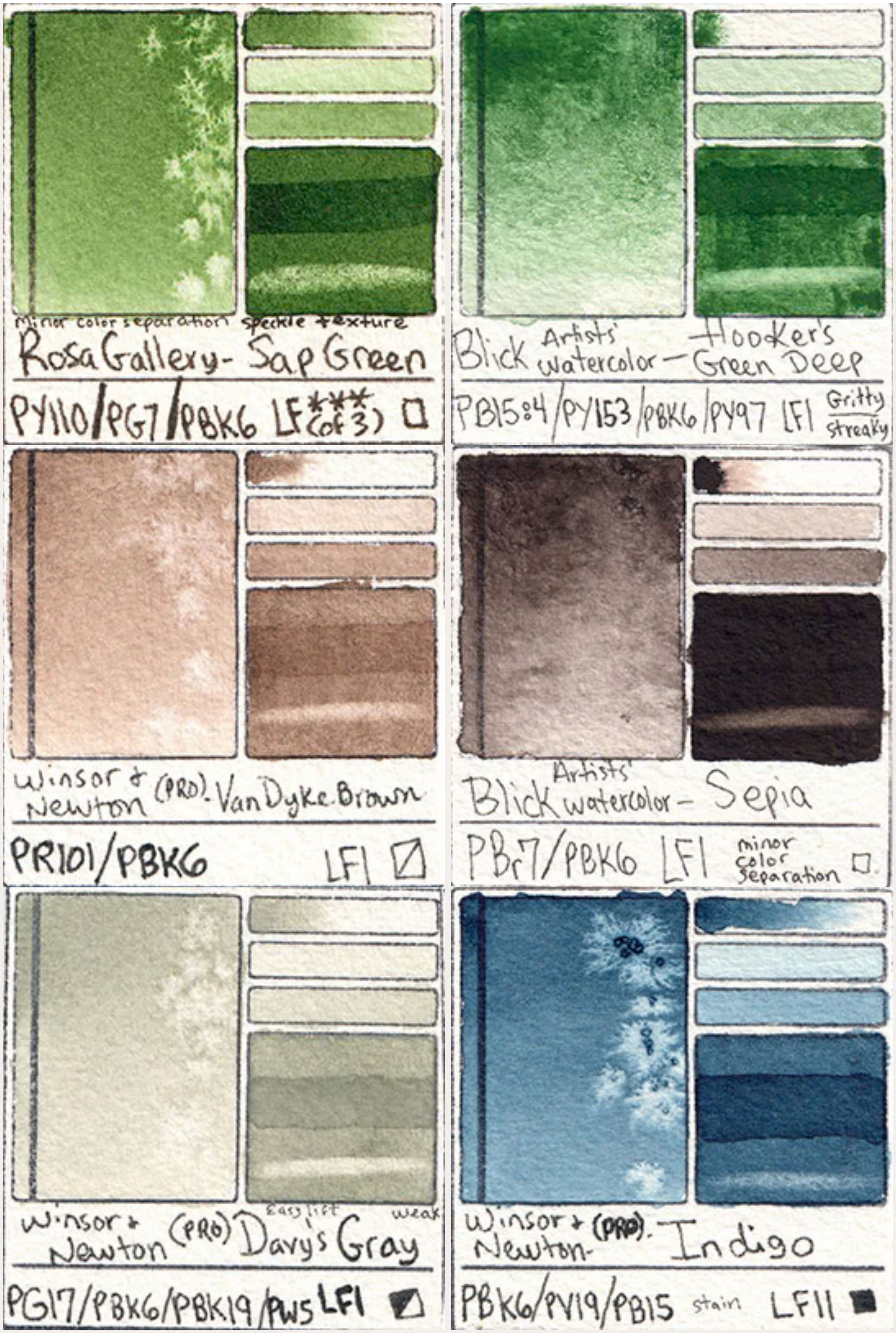

Daniel Smith - Lamp Black
PBK6
LFI
minor odd texture

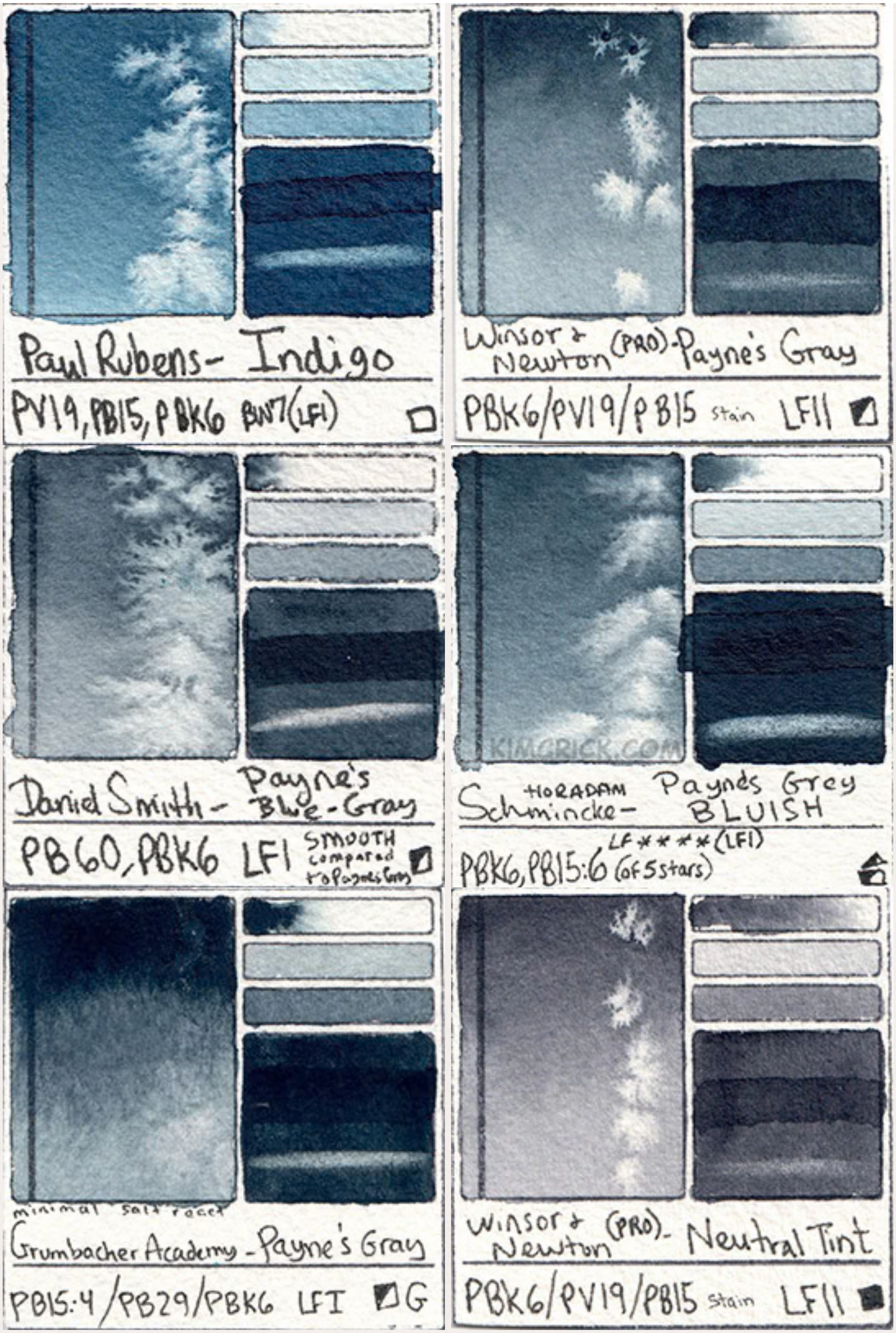

Kremer-Furnace Black
www.KimCrick.com
PBK6 BW8(LF1)
Matte deep Gray
minor
G

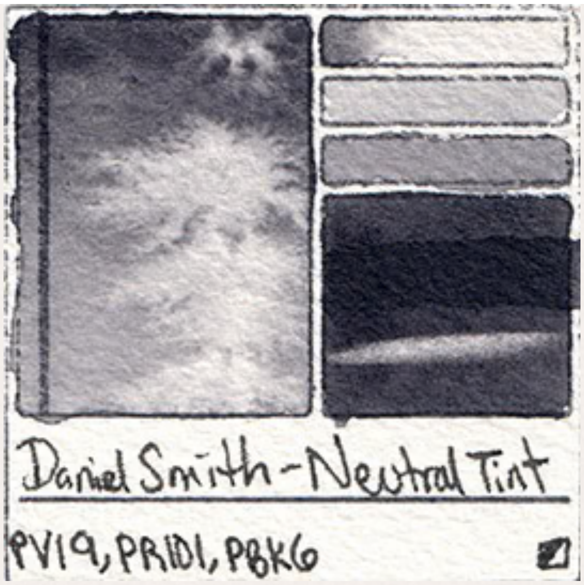
PBk6 Mixtures:

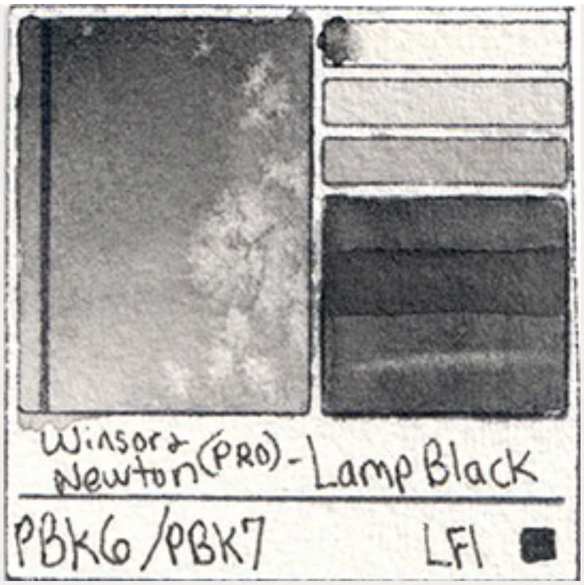

Paul Rubens-Sea Blue
PB60/PB15/PBK6
*GLITTER EDITION
LF! BW7


KIMCRICK.COM
LIMITED EDITION
HORADAM
Schmincke-
OCEAN GREY
cesc Farré
LF***** (LF1)
PB29,PBK6,PG50
(of 5 stars)
G


Minor color separation
speckle texture
Rosa Gallery - Sap Green
PY110/PG7/PBK6 LF*** (of 3) ☐
Blick Artists' watercolor - Hooker's Green Deep
PB15:4/PY153/PBK6/PY97 LFI Gritty streaky
Winsor & Newton (PRO) - Van Dyke Brown
PR101/PBK6 LFI ◪
Blick Artists' watercolor - Sepia
PBr7/PBK6 LFI minor color separation ☐
Winsor & Newton (PRO) Davy's Gray
Easy lift
weak
PG17/PBK6/PBK19/PW5 LFI ◪
Winsor & Newton - (PRO) - Indigo
PBK6/PV19/PB15 stain LFII ■

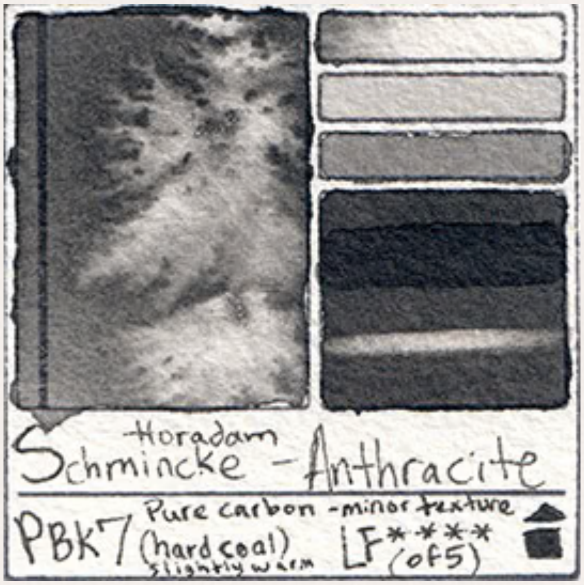

Paul Rubens- Indigo
PV19, PB15, PBK6 BN7(LFI) ☐
Winsor & Newton (PRO)- Payne's Gray
PBK6/PV19/PB15 stain LFII ◩
Daniel Smith- Payne's Blue-Gray
PB60, PBK6 LFI SMOOTH compared to Payne's Gray ◩
Schmincke- HORADAM Payne's Grey BLUISH
PBK6, PB15:6 LF★★★★(LFI) (of 5 stars)
KIMCRICK.COM
minimal salt react
Grumbacher Academy - Payne's Gray
PB15:4/PB29/PBK6 LFI ◩G
Winsor & Newton (PRO)- Neutral Tint
PBK6/PV19/PB15 stain LFII ■

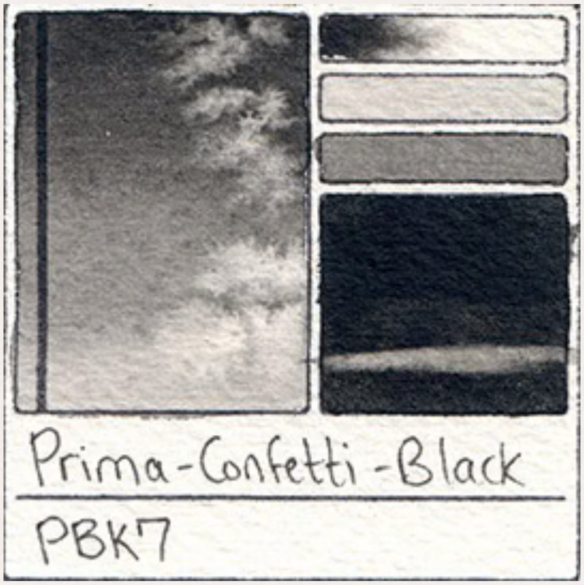

Daniel Smith - Neutral Tint
PV19, PR101, PBK6

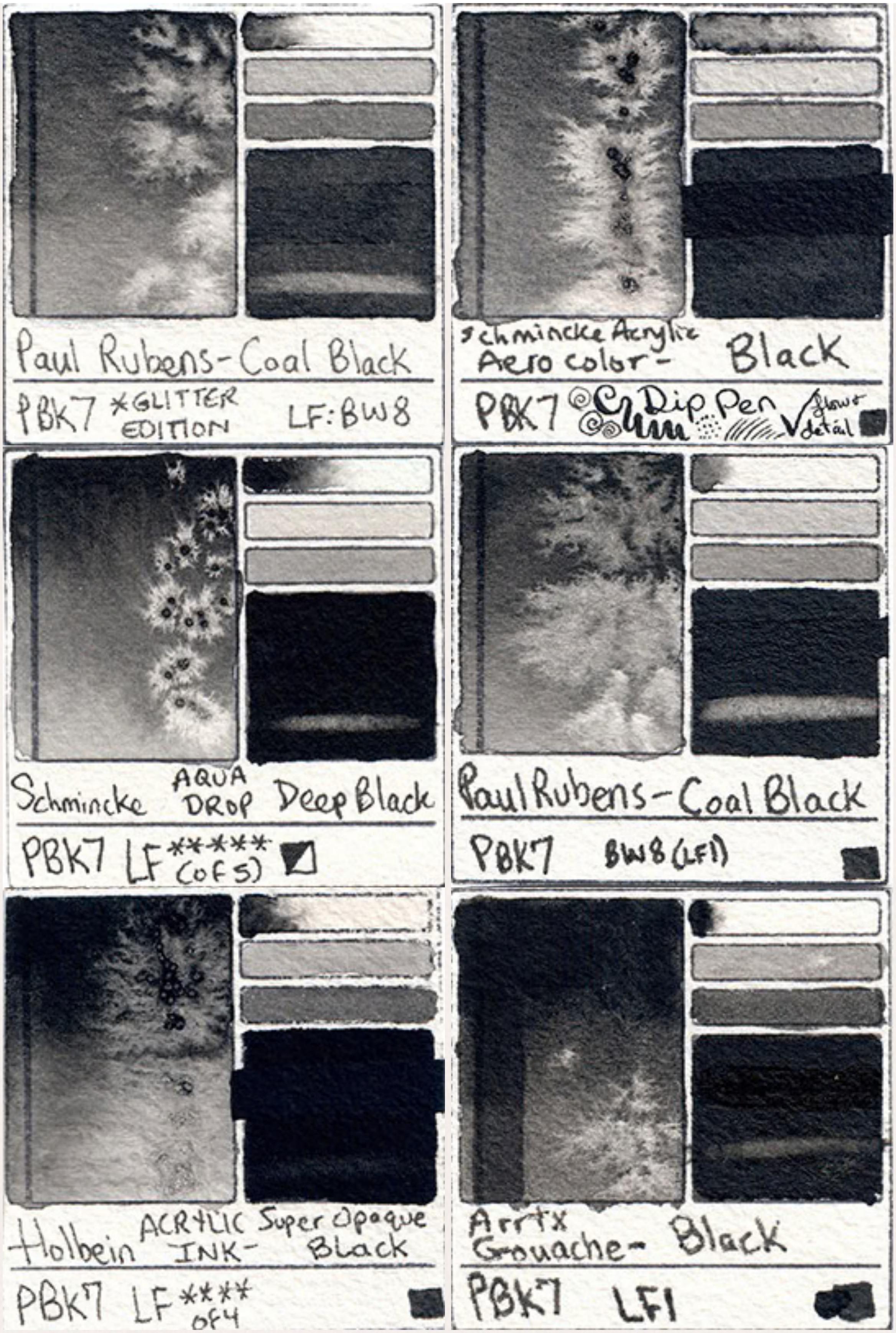

Winsor & Newton (PRO) - Lamp Black
PBK6 / PBK7
LFI

PBk7 Lamp Black:

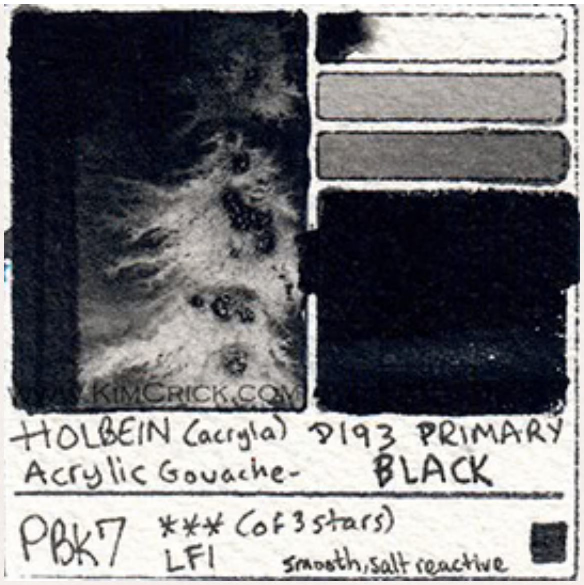
Also known as Carbon Black or Ivory Black. LFI / BW8. Made from the soot residue of petroleum, natural gas, or lamp oil burning. (C.I. 77266)


Horadam
Schmincke - Anthracite
PBK7
Pure carbon - minor texture
(hard coal)
slightly warm
LF****
(of 5)

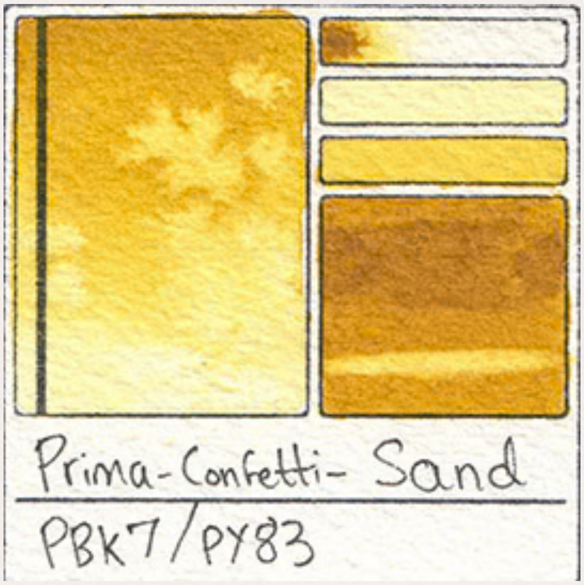

Prima - Confetti - Black
PBK7

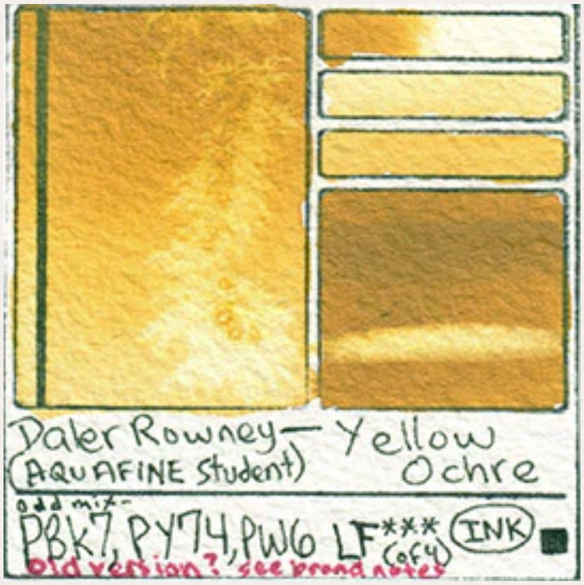

Paul Rubens-Coal Black
PBK7 *GLITTER EDITION LF:BW8
Schmincke Acrylic Aero color- Black
PBK7 Dip Pen flow+ detail
Schmincke AQUA DROP Deep Black
PBK7 LF ***** (of 5)
Paul Rubens-Coal Black
PBK7 BW8 (LFI)
Holbein ACRYLIC INK- Super Opaque Black
PBK7 LF **** of 4
Arrtx Gouache- Black
PBK7 LFI

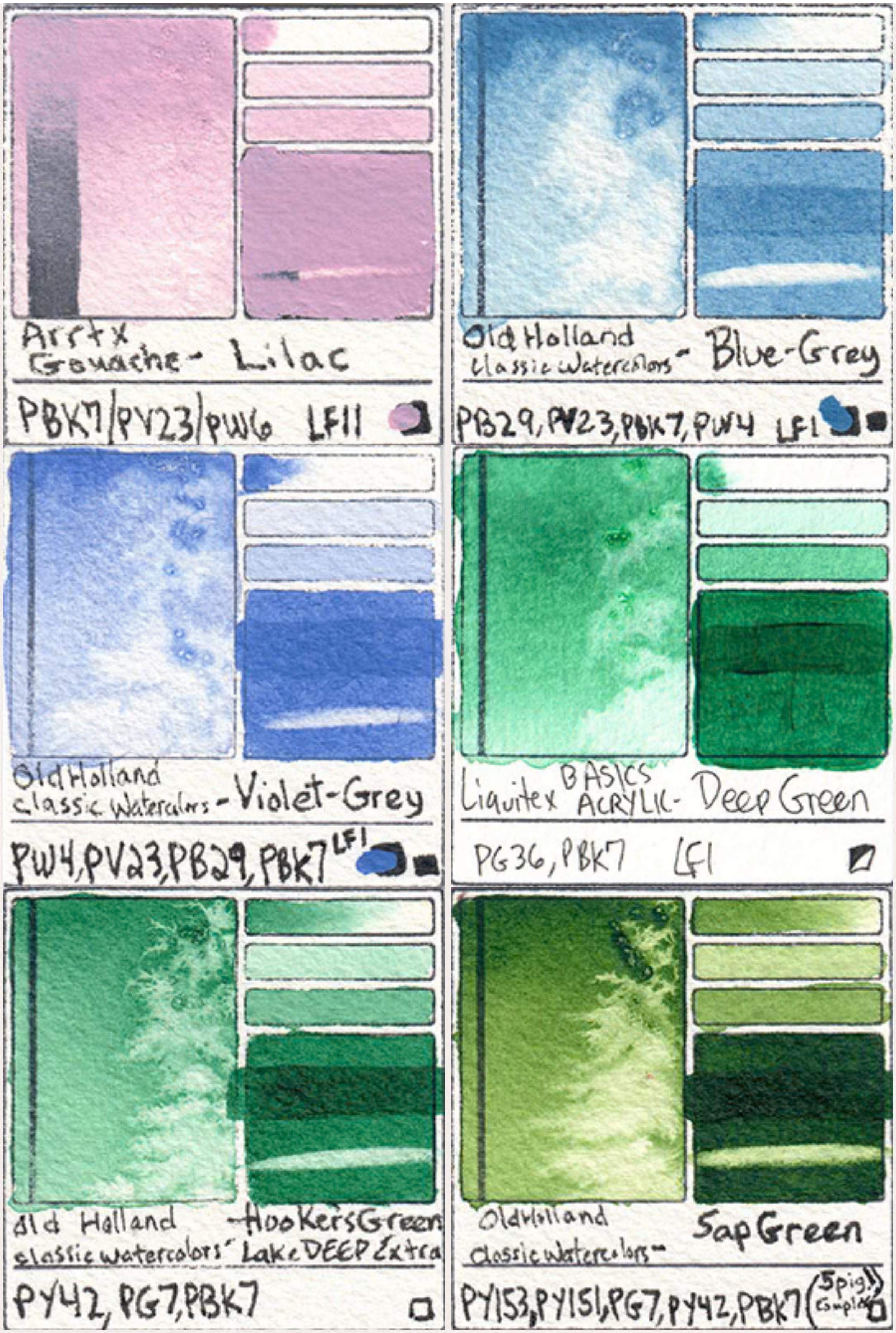
Jo Sonja's -
Matte Fluid Acrylic
Carbon Black
PBK7
LFI

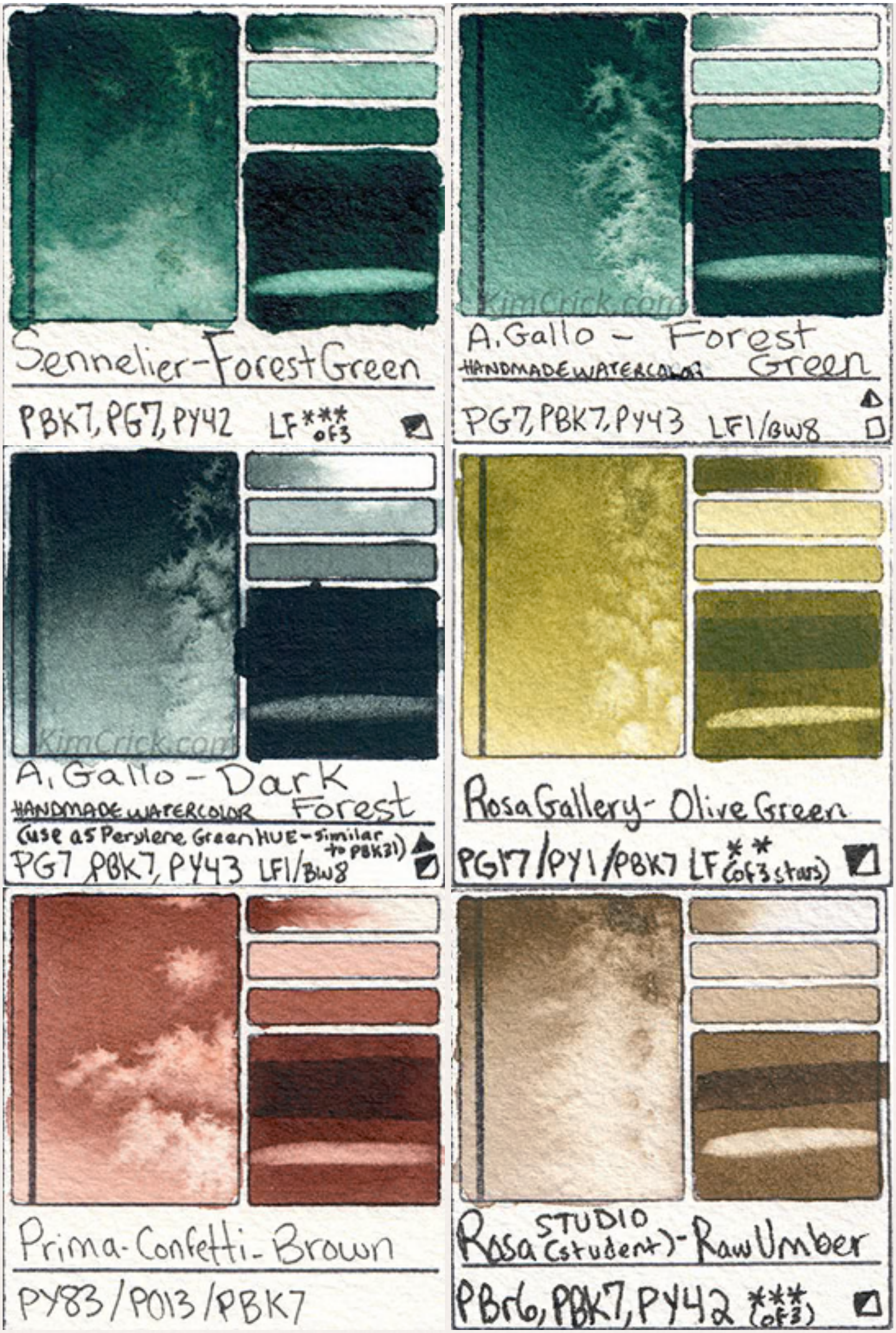

WWW.KIMCRICK.COM
HOLBEIN (acryla) D193 PRIMARY
Acrylic Gouache-
BLACK
PBK7
*** (of 3 stars)
LFI
smooth, salt reactive

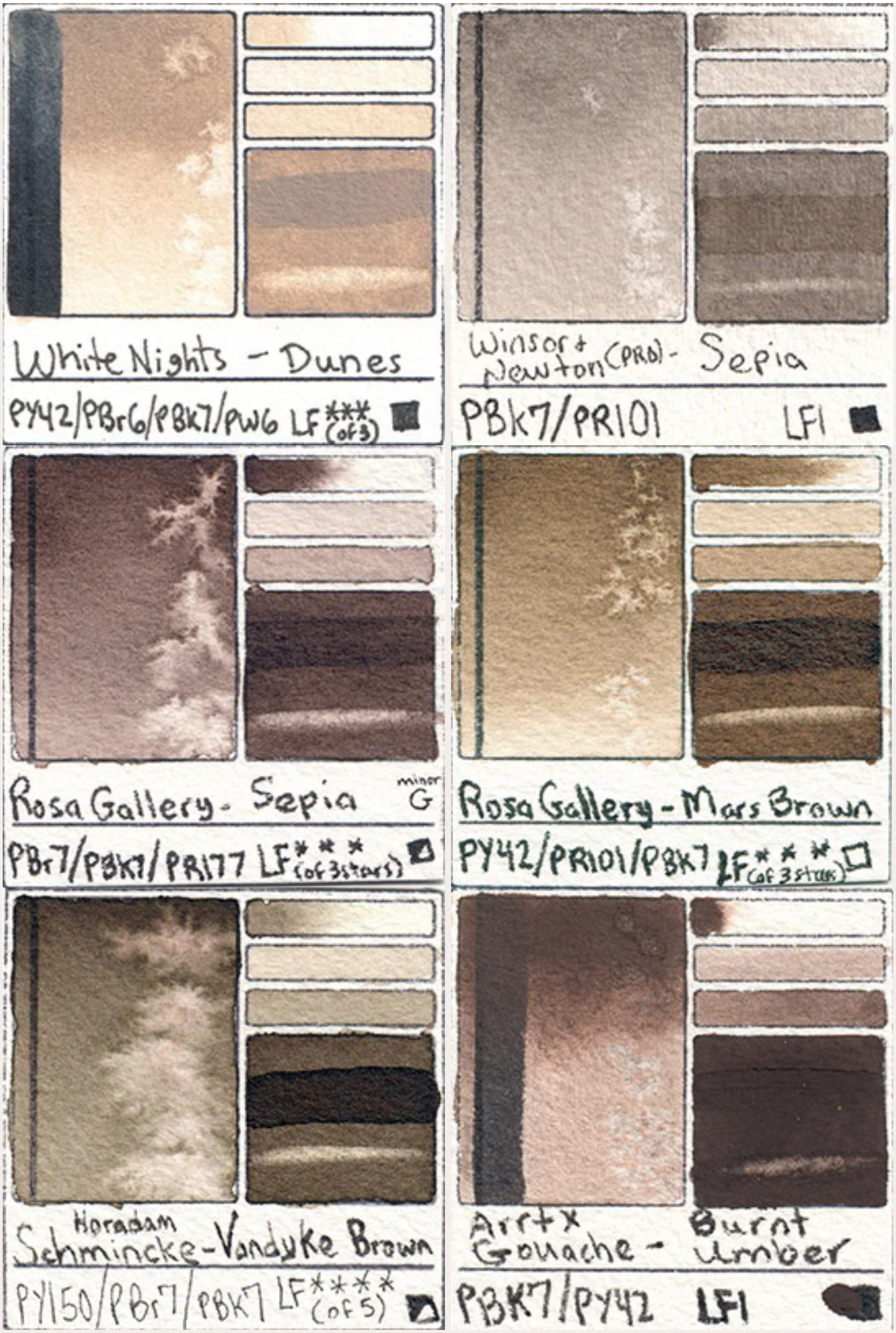
PBk7 Mixtures:

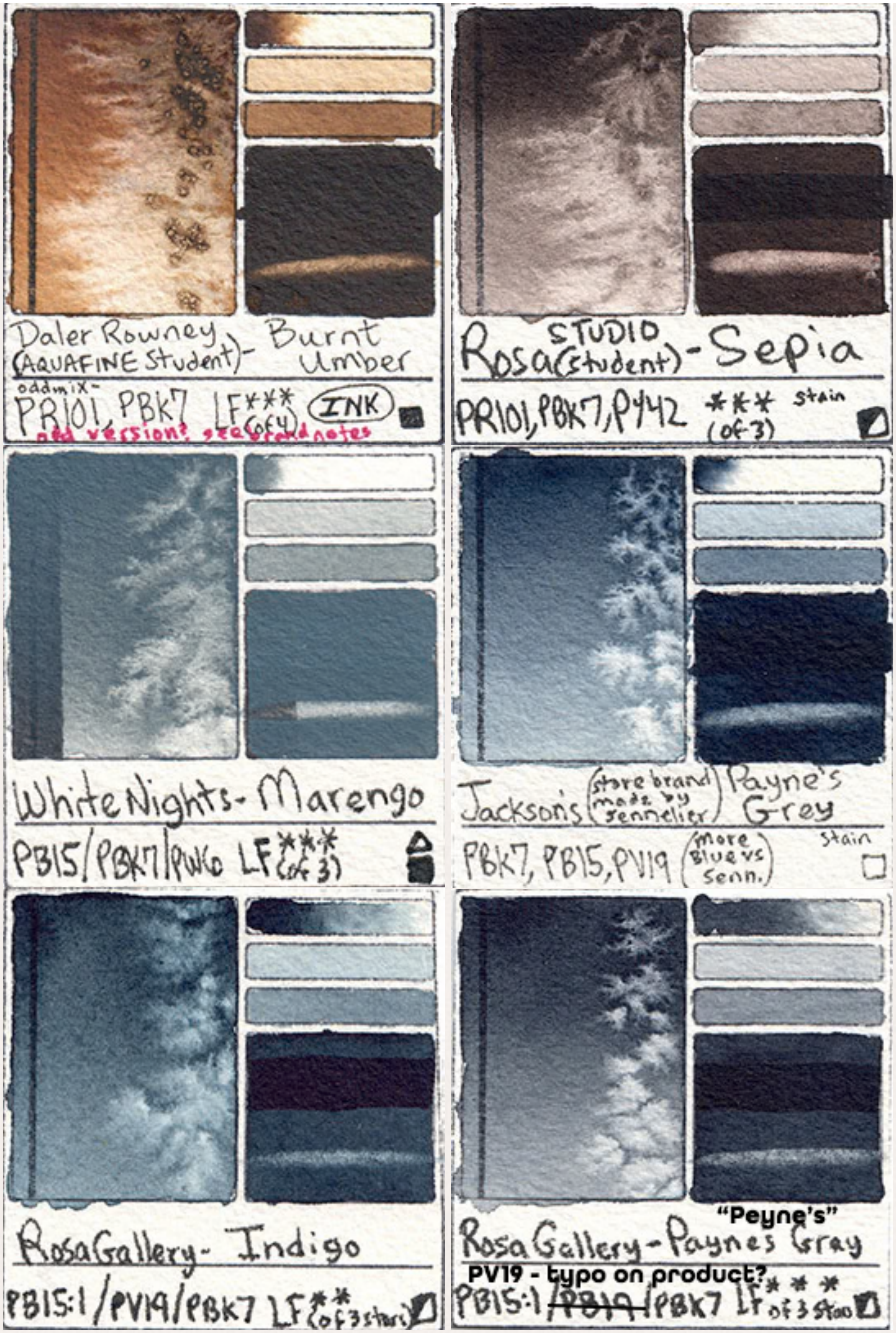

Prima-Confetti- Sand
PBK7/PY83

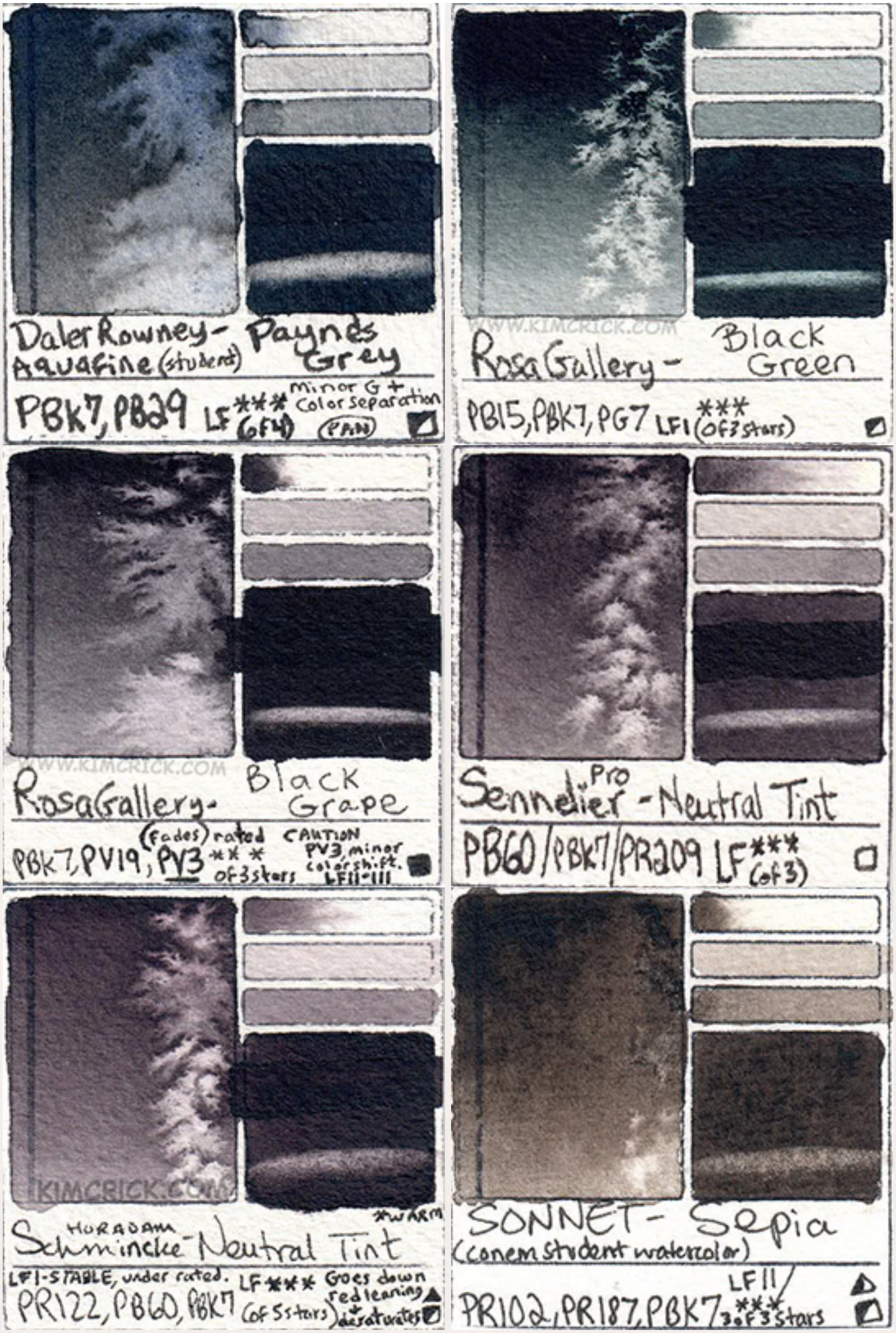

Daler Rowney-
(AQUAFINE Student)
Yellow
Ochre
odd mix-
PBK7, PY74, PW6
LF***
(of 4)
INK
old version? see brand notes

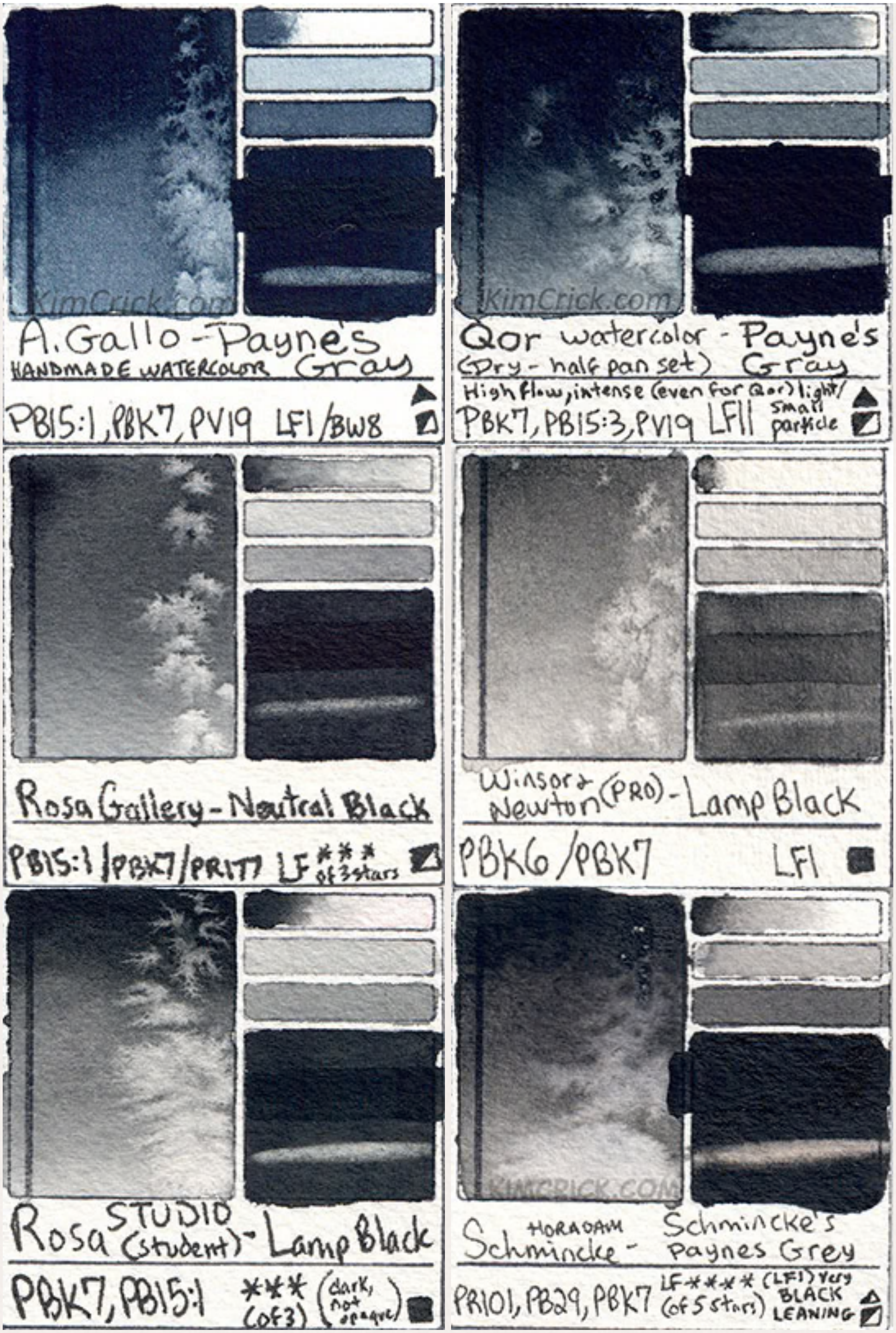

Arrtx Gouache - Lilac
PBK7/PV23/PW6 LFII
Old Holland Classic Watercolors - Blue-Grey
PB29, PV23, PBK7, PW4 LFI
Old Holland Classic Watercolors - Violet-Grey
PW4, PV23, PB29, PBK7 LFI
Liquitex BASICS ACRYLIC - Deep Green
PG36, PBK7 LFI
Old Holland Classic watercolors - HookersGreen Lake DEEP Extra
PY42, PG7, PBK7
OldHolland Classic Watercolors - Sap Green
PY153, PY151, PG7, PY42, PBK7 (5pig!! Cmplx)

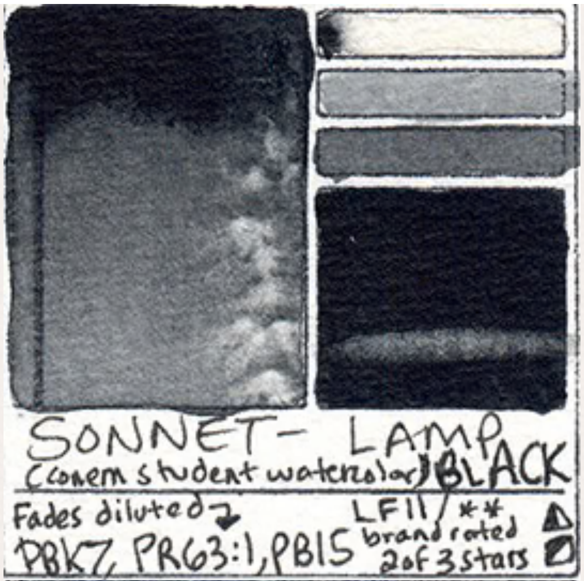

Sennelier-Forest Green
PBK7, PG7, PY42 LF*** of 3
A. Gallo - Forest Green
HANDMADE WATERCOLOR
PG7, PBK7, PY43 LF1/BW8
KimCrick.com
A. Gallo - Dark Forest
HANDMADE WATERCOLOR
(use as Perylene Green HUE - similar to PBK31)
PG7 PBK7, PY43 LF1/BW8
Rosa Gallery - Olive Green
PG17/PY1/PBK7 LF** (of 3 stars)
Prima-Confetti-Brown
PY83/PO13/PBK7
Rosa STUDIO (student) - Raw Umber
PBr6, PBK7, PY42 *** (of 3)

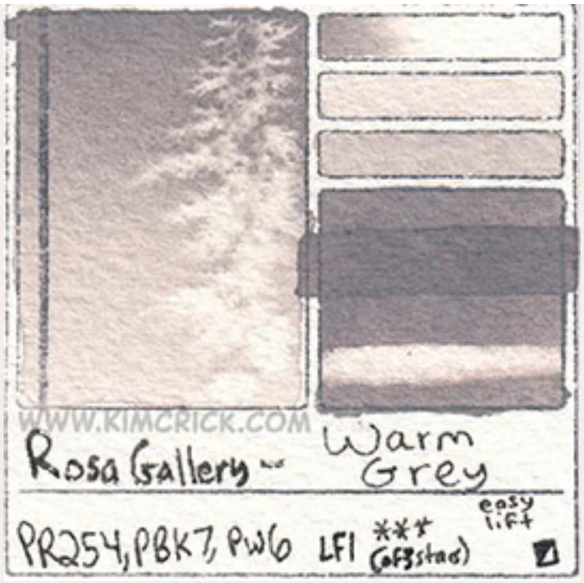

White Nights - Dunes
PY42/PBr6/PBk7/PW6 LF*** (of 3) ■
Winsor + Newton (PRO) - Sepia
PBk7/PR101 LFI ■
Rosa Gallery - Sepia
minor G
PBr7/PBk7/PR177 LF*** (of 3 stars) ◪
Rosa Gallery - Mars Brown
PY42/PR101/PBk7 LF*** (of 3 stars) ☐
Horadam Schmincke - Vandyke Brown
PY150/PBr7/PBk7 LF**** (of 5) ◪
Arrtx Gouache - Burnt Umber
PBk7/PY42 LFI ■

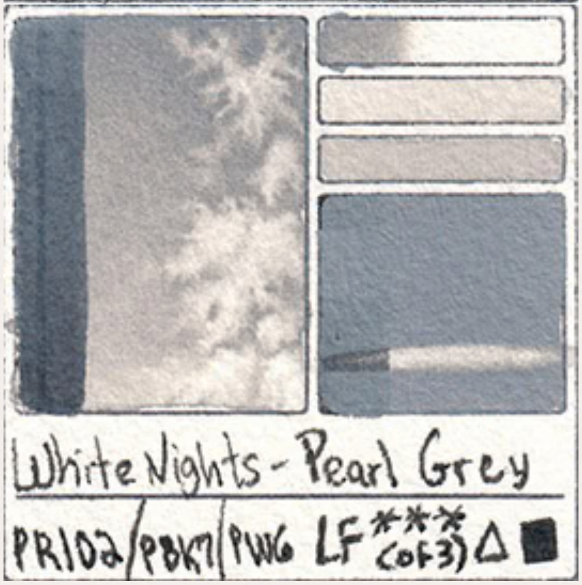

Daler Rowney (AQUAFINE Student) - Burnt Umber
oddmix-
PR101, PBK7 LF*** (of 4) INK
old version? see brand notes
STUDIO Rosa (student) - Sepia
PR101, PBK7, PY42 *** (of 3) stain
White Nights - Marengo
PB15/PBK7/PW6 LF*** (of 3)
Jackson's (store brand made by Sennelier) Payne's Grey
PBK7, PB15, PV19 (more Blue vs Senn.) stain
RosaGallery - Indigo
PB15:1/PV19/PBK7 LF** (of 3 stars)
"Peyne's"
Rosa Gallery - Paynes Gray
PV19 - typo on product?
PB15:1/~~PB19~~/PBK7 LF*** of 3 stars


Daler Rowney - Payne's Grey
Aquafine (student)
PBK7, PB29 LF *** (of 4) Minor G + Color separation (PAN)
WWW.KIMCRICK.COM
RosaGallery - Black Green
PB15, PBK7, PG7 LFI *** (of 3 stars)
WWW.KIMCRICK.COM
RosaGallery - Black Grape
PBK7, PV19, PV3 (Fades) rated *** of 3 stars CAUTION PV3, minor colorshift. LFII-III
Sennelier Pro - Neutral Tint
PB60/PBK7/PR209 LF *** (of 3)
KIMCRICK.COM
*WARM
HORADAM
Schmincke - Neutral Tint
LFI-STABLE, under rated. LF *** (of 5 stars) Goes down red leaning + desaturates
PR122, PB60, PBK7
SONNET - Sepia
(conem student watercolor)
PR102, PR187, PBK7 LFII *** 3 of 3 stars

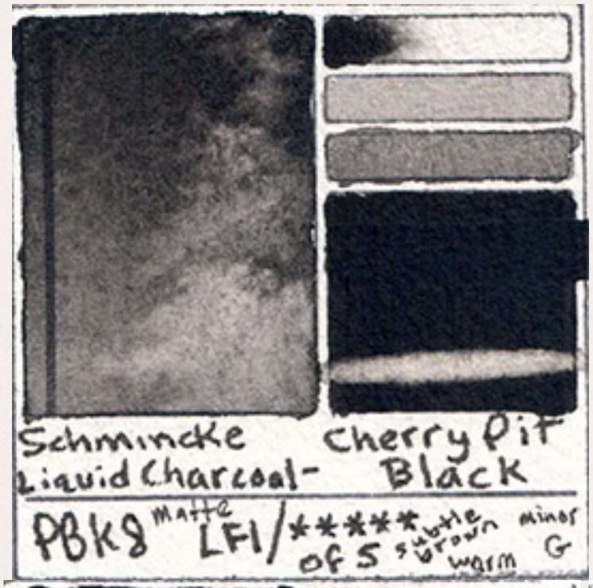

KimCrick.com
A.Gallo - Payne's Gray
HANDMADE WATERCOLOR
PB15:1, PBK7, PV19 LFI/BW8
KimCrick.com
Qor watercolor - Payne's Gray
(Dry - half pan set)
High flow, intense (even for Qor) light/small particle
PBK7, PB15:3, PV19 LFII
Rosa Gallery - Neutral Black
PB15:1 /PBK7/PR177 LF *** of 3 stars
Winsor & Newton (PRO) - Lamp Black
PBK6 /PBK7 LFI
Rosa STUDIO (student) - Lamp Black
PBK7, PB15:1 *** (of 3) (dark, not opaque)
KIMCRICK.COM
Schmincke HORADAM - Schmincke's Paynes Grey
PR101, PB29, PBK7 LF **** (of 5 stars) (LFI) Very BLACK LEANING

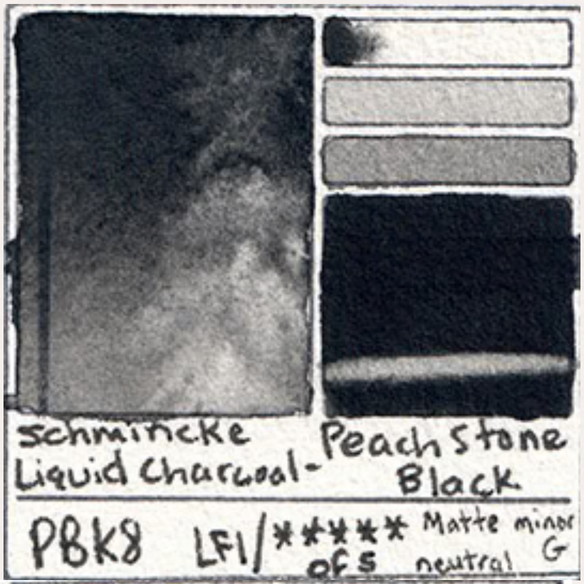

SONNET- LAMP BLACK
(Conem student watercolor)
Fades diluted
LFII/**
brand rated 2of 3 stars
PBK7, PR63:1, PB15

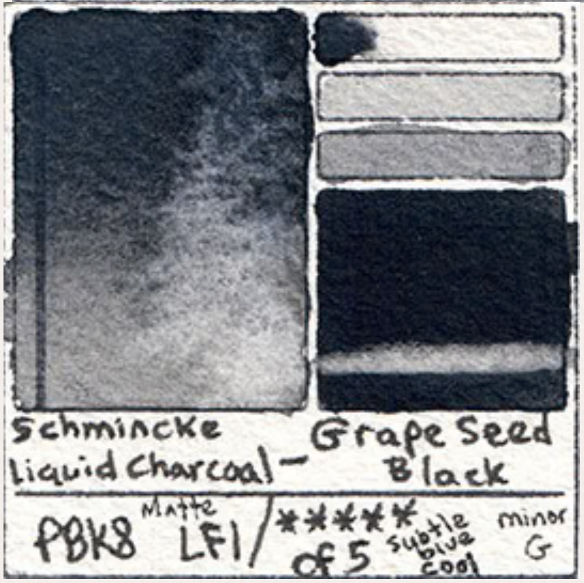

WWW.KIMCRICK.COM
Rosa Gallery ~ Warm Grey
easy lift
PR254, PBK7, PW6 LFI ***
(of 3 stars)

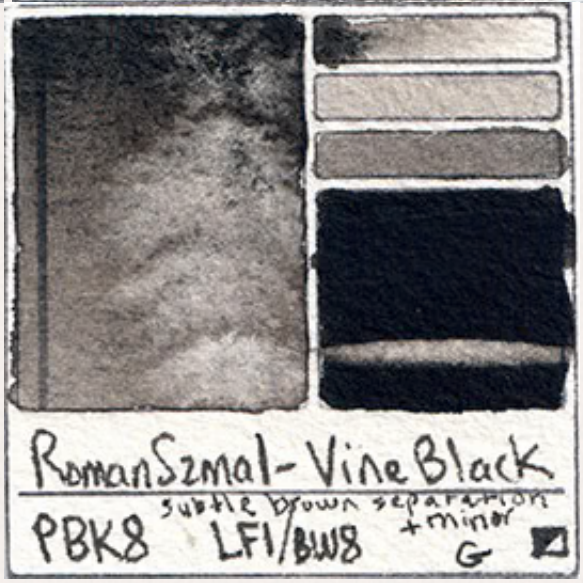

White Nights - Pearl Grey
PR102/PBK7/PW6 LF***
(of 3)

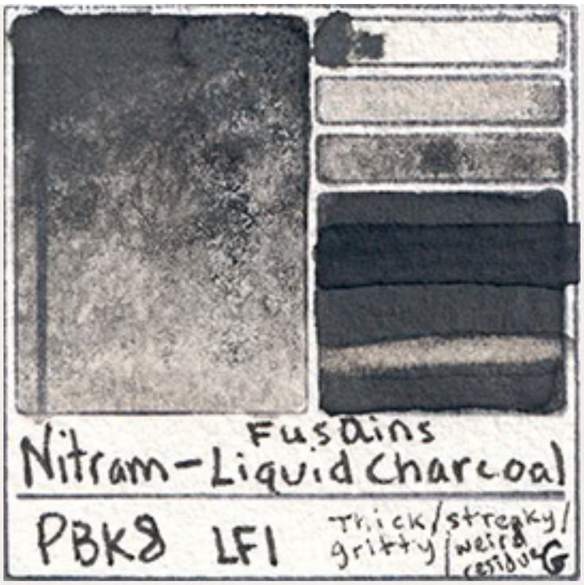
PBk8 Vine Black: Lightfast. Usually made from plant matter that has been burned in a low oxygen container to make charcoal. PBk8 can also include mineral deposits, such as when a forest fire caused a charcoal sediment layer. Often mildly granulating, sometimes with tiny speckles of burned plant particles that will no longer smooth out in wet washes. This pigment is overall uncommon in watercolor (Roman Szmal, Old Holland), but Schmincke and Nitram also make "liquid charcoal" which works very similarly with a matte gouache-like finish. Powder charcoal is available from more than a few manufacturers (Coates, General Pencil, Jackson's etc) which make willow and grape vine charcoal for drawing. In addition to those pre-made powders, you could DIY Pbk8 by placing dry vines/sticks into an altoids tin or covered pot and placing it into a campfire for several hours. Can be easily ground with a mortar and pestle, then mixed with gum arabic for DIY watercolor. Schmincke's liquid charcoal uses fruit seeds and is one of the most finely ground, deep valued and high quality products of them all. Schmincke's Grape Seed Black is remarkably cool, with hints of blue undertones. I have read that "cork black" was considered "the poor man's ultramarine" historically, because it was the most blue of black pigments made for a time. (C.I. 77268)


Schmincke Liquid Charcoal- Cherry Pit Black
PBK8 Matte LFI/***** of 5 subtle brown warm minor G


Schmincke Liquid Charcoal- Peach Stone Black
PBK8 LFI/***** of 5 Matte neutral minor G

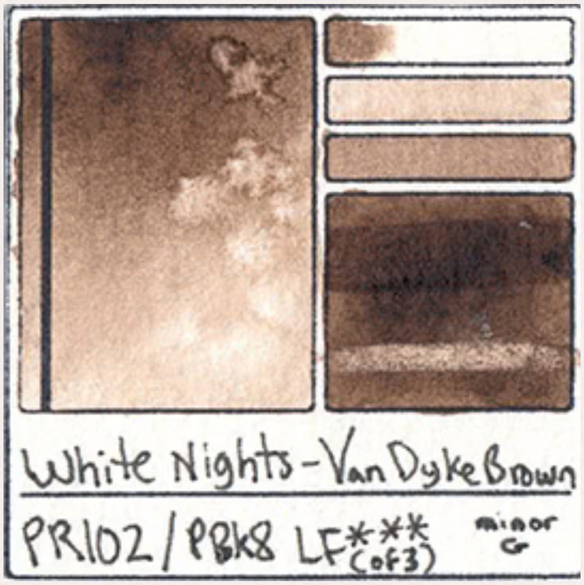

Schmincke Liquid Charcoal- Grape Seed Black
PBK8 Matte LFI/***** of 5 subtle blue cool minor G


RomanSzmal- Vine Black
PBK8 LFI/BWS subtle brown separation + minor G


Fusains
Nitram-Liquid Charcoal
PBK8 LFI
Thick/streaky/
gritty/weird
residue
G

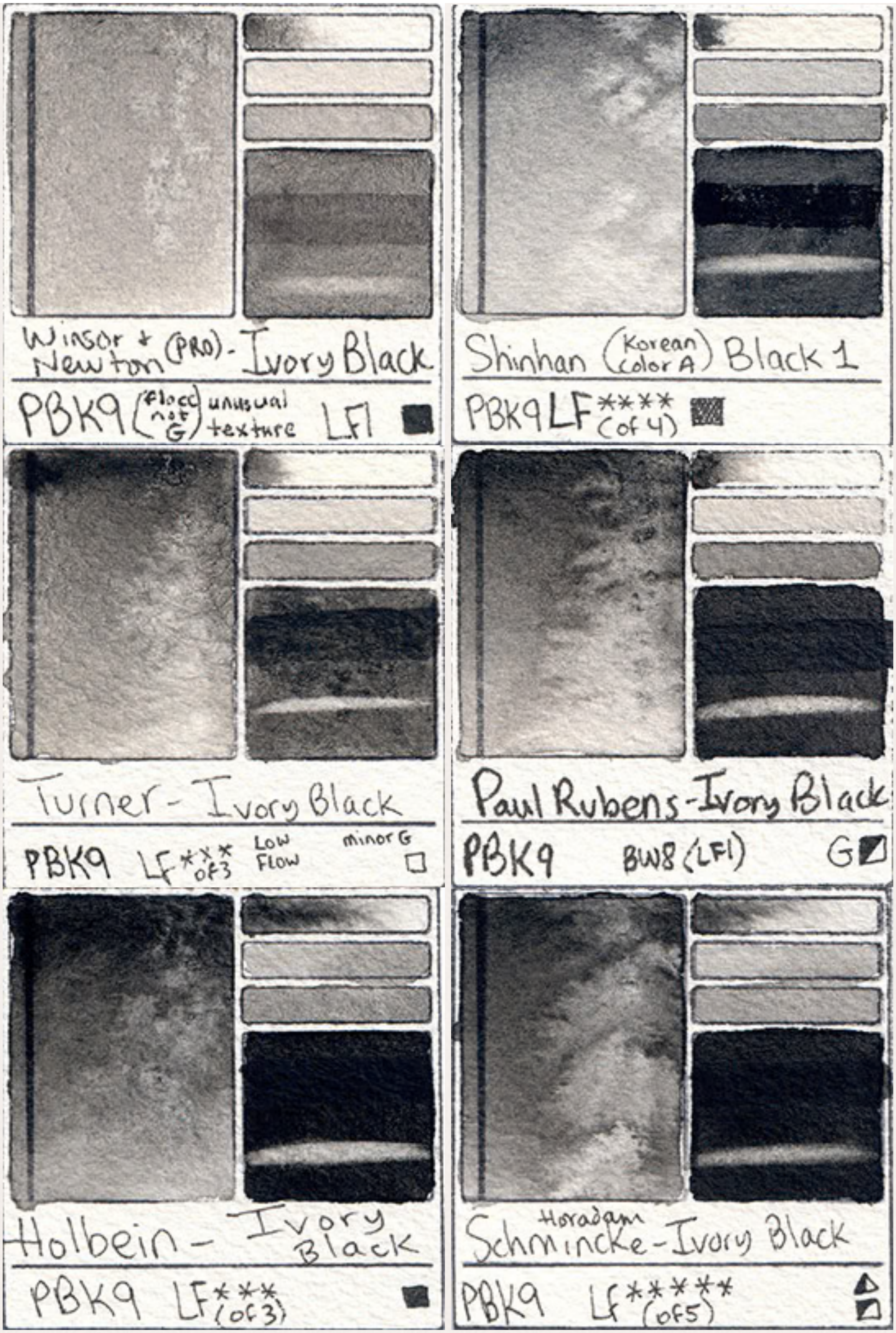
PBk8 Mixtures:

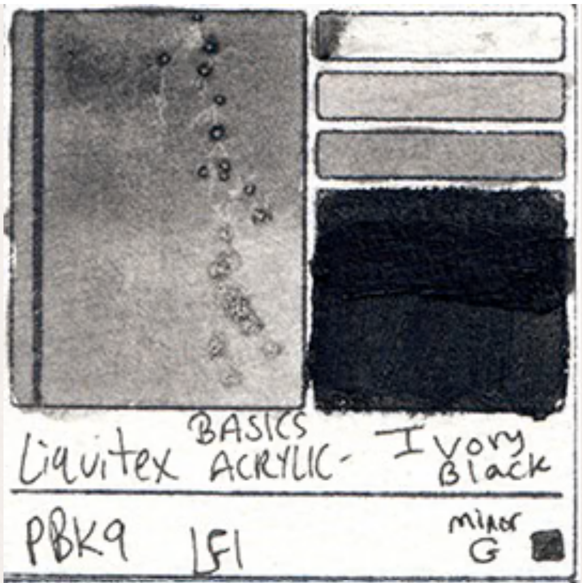
WhiteNights-Petersburg Ochre
PY42/PBK8/PW6 LF*** (of3) △ ■

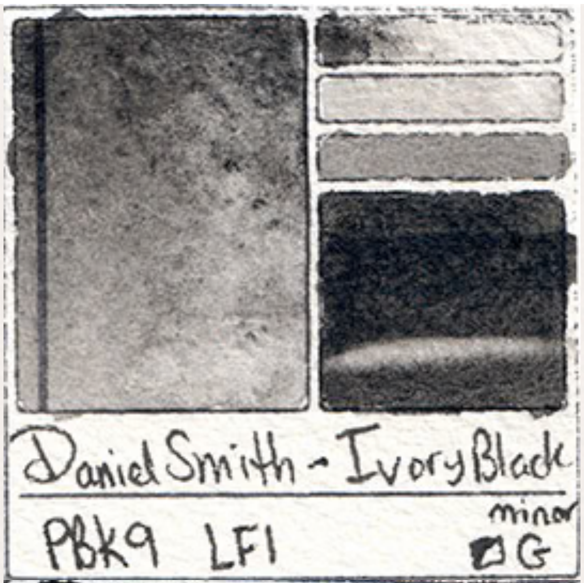

White Nights-Van Dyke Brown
PR102/PBK8 LF*** (of3)
minor G

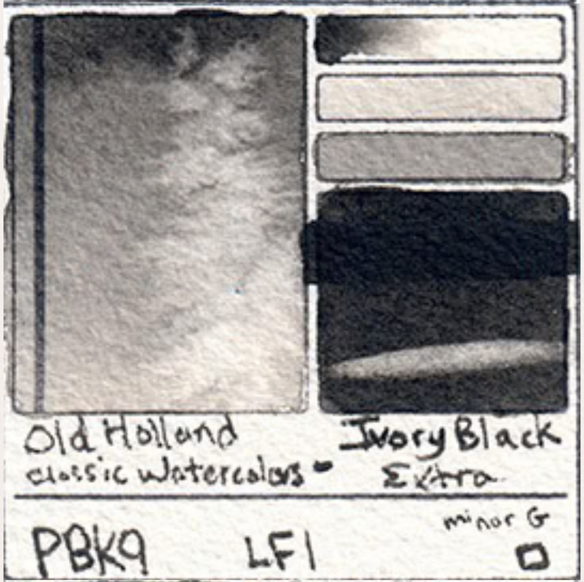
PBk9 Bone Black:

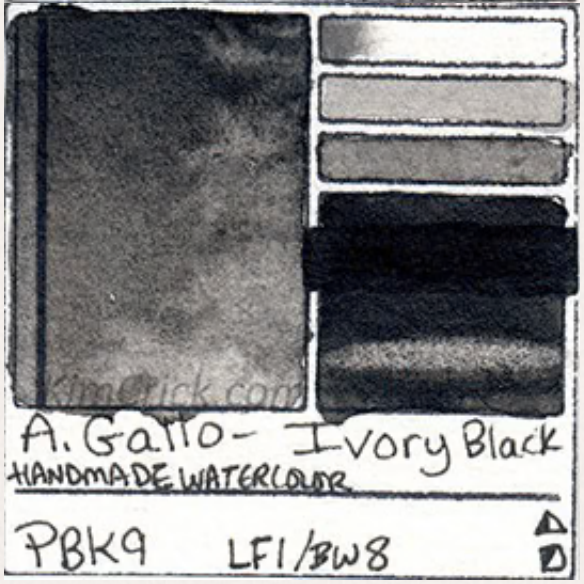
Also known as Ivory Black. LFI / BW8. Made from the burning (calcined/heated) animal bones, resulting in a mixture primarily made up of carbon and calcium. Paints labeled as Ivory Black should mention that it is a hue, since true Ivory Black requires elephant tusks & is banned in most countries. Sadly this pigment is rarely properly named Bone Black and hardly ever referred to as Ivory Black "Hue" (replica), but rest assured no Elephants were harvested for their Ivory to make PBk9. (C.I. 77267)

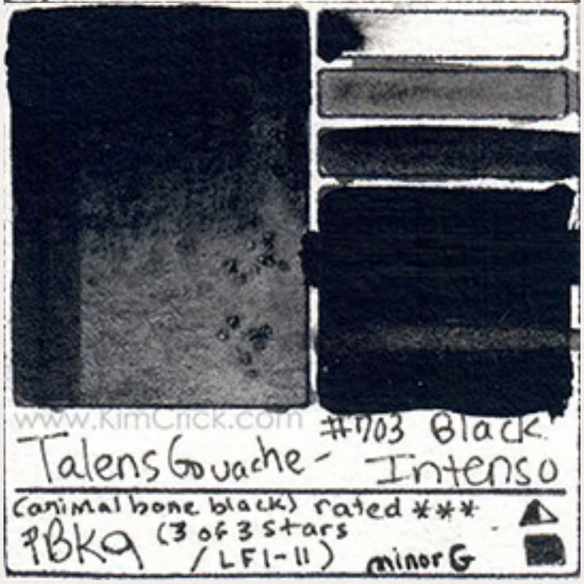

Winsor + Newton (PRO) - Ivory Black
PBK9 (flocc not G) unusual texture LFI ■
Shinhan (Korean color A) Black 1
PBK9 LF**** (of 4) ▨
Turner - Ivory Black
PBK9 LF*** of 3 Low Flow minor G ☐
Paul Rubens - Ivory Black
PBK9 BW8 (LFI) G◪
Holbein - Ivory Black
PBK9 LF*** (of 3) ■
Horadam Schmincke - Ivory Black
PBK9 LF***** (of 5)


Liquitex BASICS ACRYLIC - Ivory Black
PBK9 LFI
minor G ■

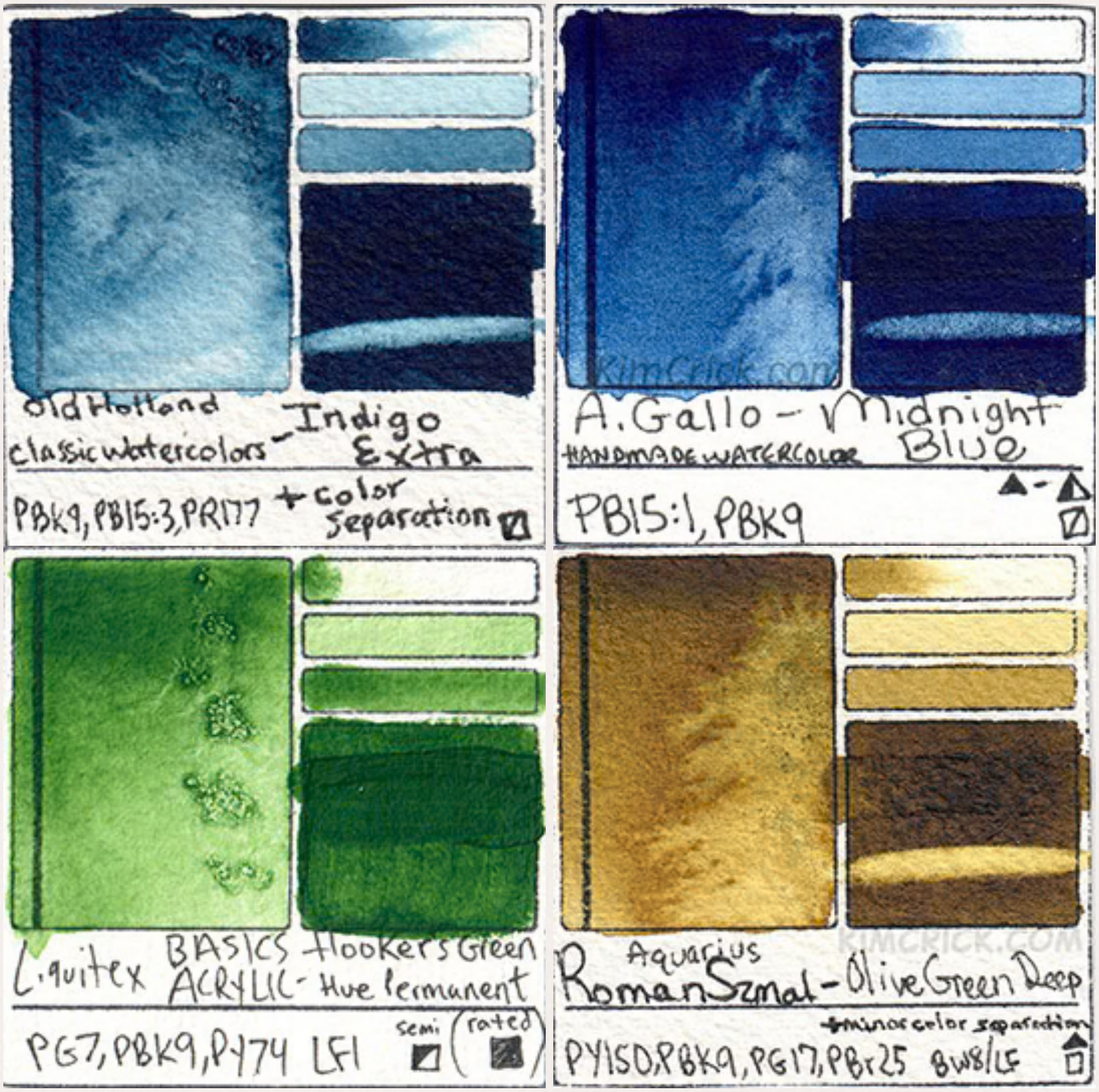

Daniel Smith - Ivory Black
PBK9 LFI
minor ▨G

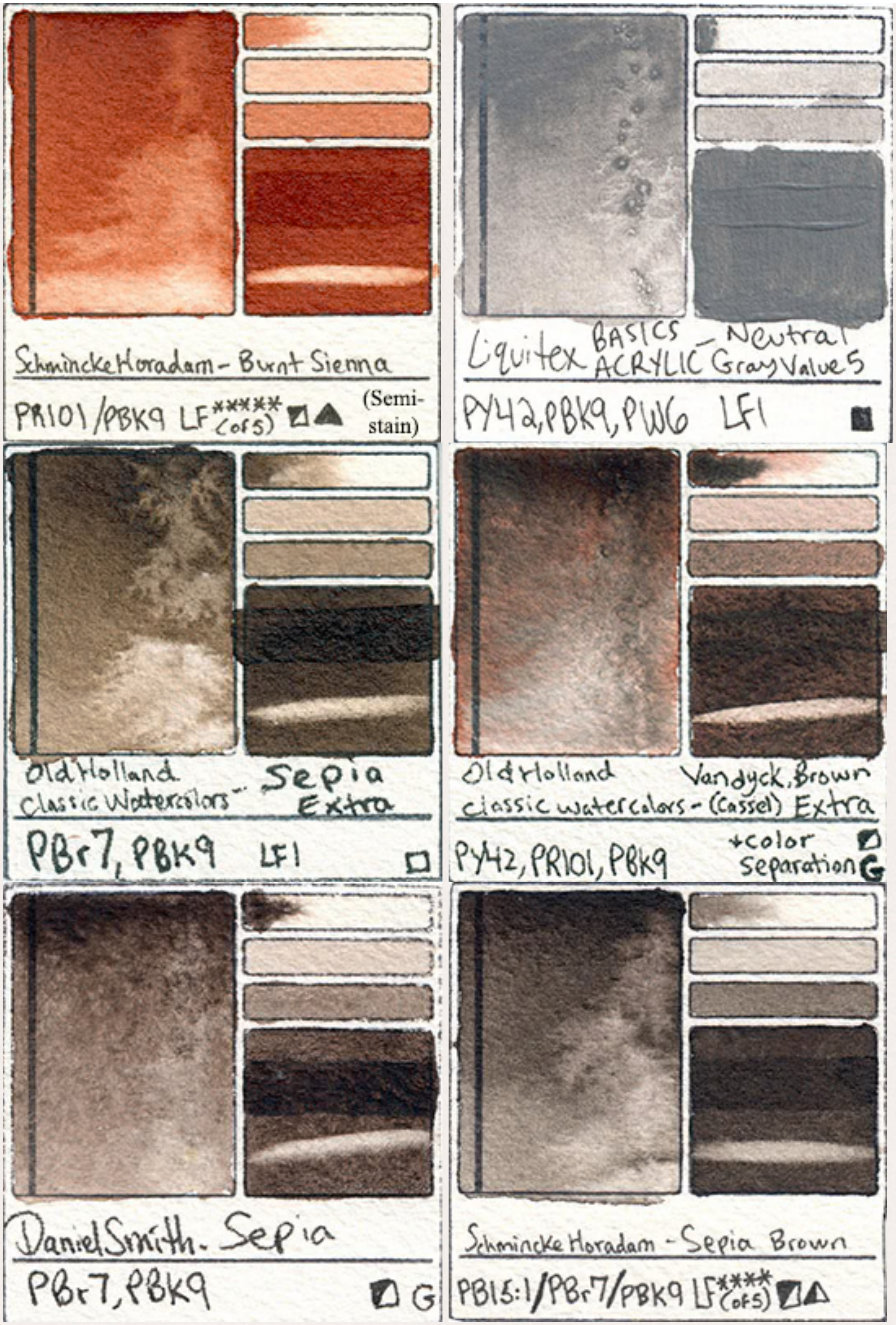

Old Holland classic watercolors - Ivory Black Extra
PBK9 LFI
minor G □

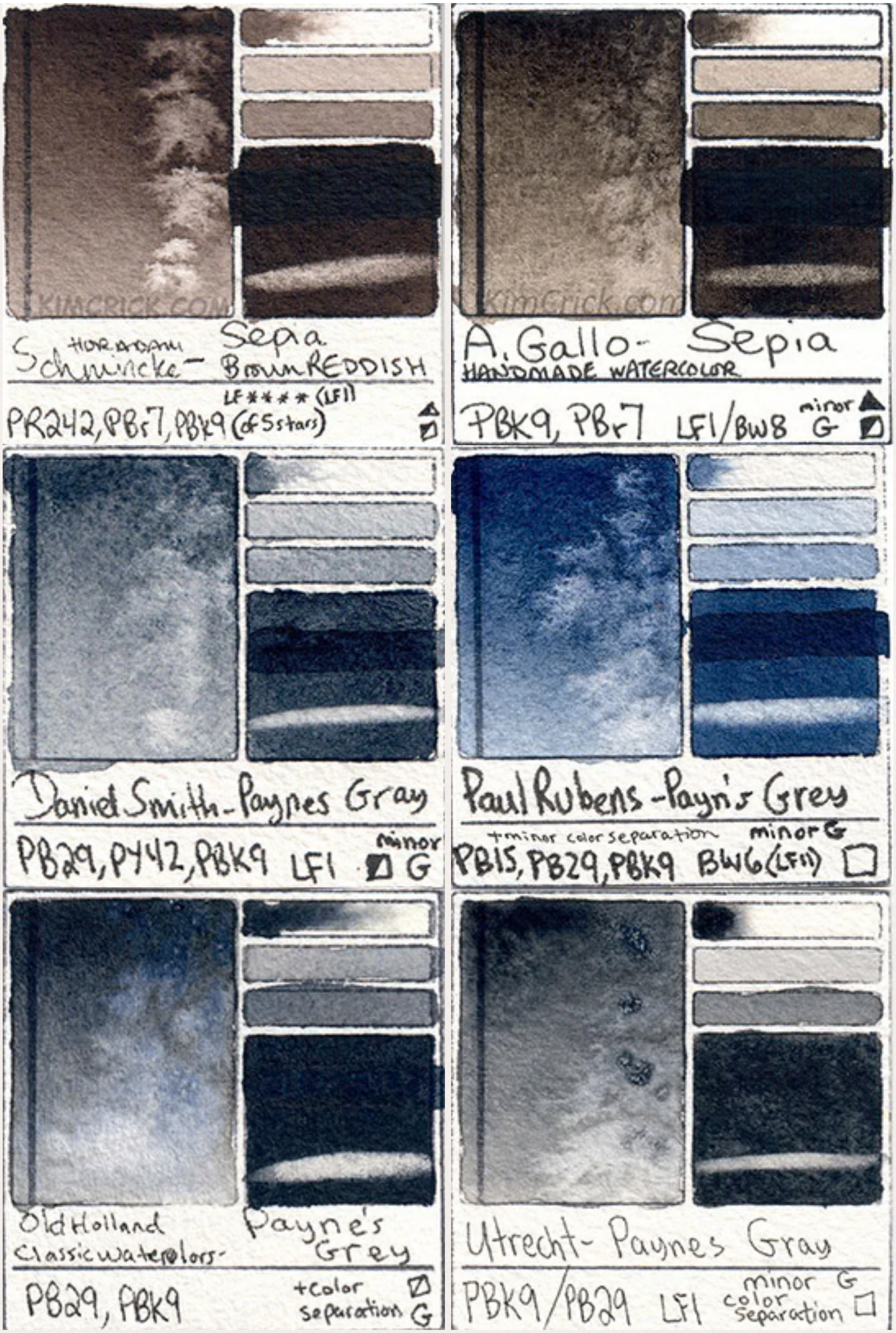

KimCrick.com
A. Gallo - Ivory Black
HANDMADE WATERCOLOR
PBK9 LFI/BW8
▲
▨

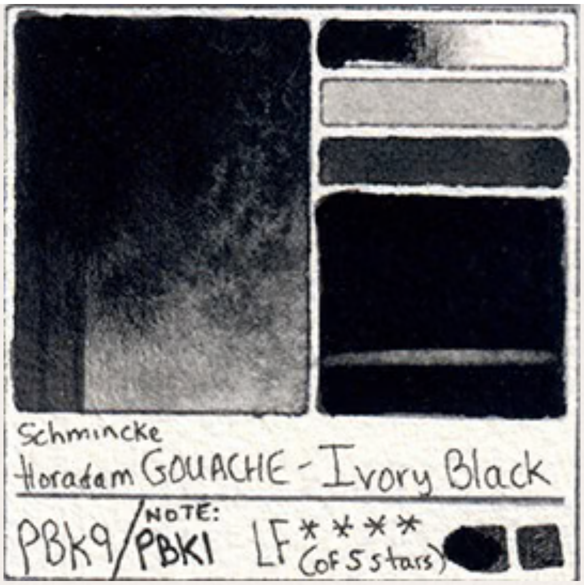

www.KimCrick.com
#7703 Black
Talens Gouache - Intenso
(animal bone black) rated ***
PBK9 (3 of 3 stars / LFI-II)
minor G ▲ ■

PBk9 Mixtures:

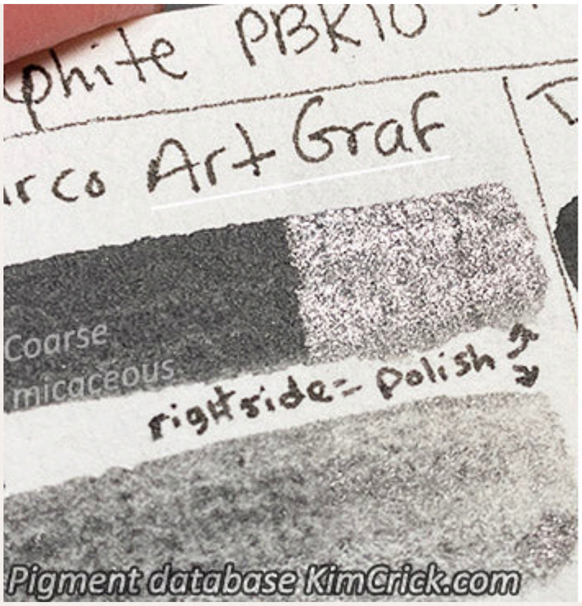

Old Holland classic watercolors - Indigo Extra
PBK9, PB15:3, PR177 + color separation
A.Gallo - Midnight Blue
HANDMADE WATERCOLOR
PB15:1, PBK9
KimCrick.com
Liquitex BASICS ACRYLIC - Hookers Green Hue Permanent
PG7, PBK9, PY74 LFI
semi
rated
Roman Szmal - Aquarius Olive Green Deep
+minor color separation
PY150, PBK9, PG17, PBr25 BW8/LF
KIMCRICK.COM

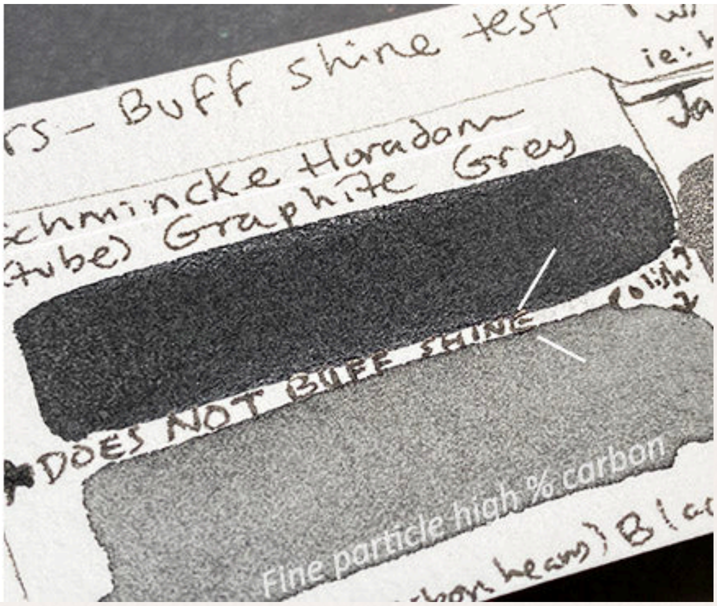

SchminckeHoradam - Burnt Sienna
PR101/PBK9 LF***** (of 5) ◪ ▲ (Semi-stain)
Liquitex BASICS ACRYLIC - Neutral Gray Value 5
PY42, PBK9, PW6 LFI ■
Old Holland Classic Watercolors - Sepia Extra
PBr7, PBK9 LFI ☐
Old Holland classic watercolors - Vandyck Brown (Cassel) Extra
PY42, PR101, PBk9 +color separation ◪ G
DanielSmith - Sepia
PBr7, PBK9 ◪ G
Schmincke Horadam - Sepia Brown
PB15:1/PBr7/PBK9 LF*** (of 5) ◪ ▲


KIMCRICK.COM
Schmincke- HORADAM Sepia BrownREDDISH
PR242, PBr7, PBk9 LF**** (LFI) (of 5 stars)
KimCrick.com
A.Gallo- Sepia
HANDMADE WATERCOLOR
PBK9, PBr7 LFI/BW8 minor G
Daniel Smith-Paynes Gray
PB29, PY42, PBK9 LFI minor G
Paul Rubens -Payn's Grey
+minor color separation minor G
PB15, PB29, PBK9 BW6 (LFII)
Old Holland Classic watercolors- Payne's Grey
PB29, PBK9 +color separation G
Utrecht- Paynes Gray
PBK9/PB29 LFI minor color separation G

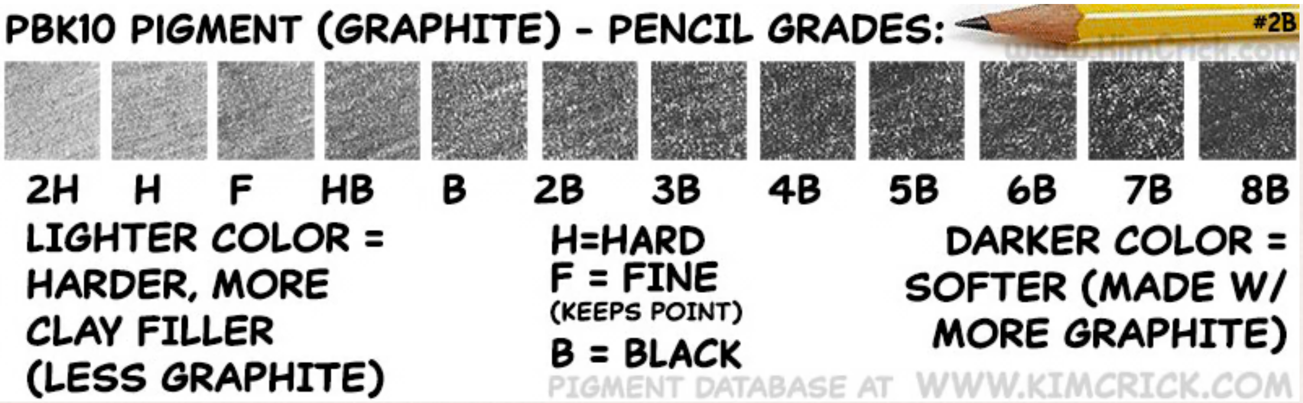


PBk10 Graphite:
LFI / BW8. Pigment made from the crystallized mineral form of Carbon. There are many natural forms of Graphite, including micaceous flake embedded in layers of other rocks which has a glittering mica appearance. Graphite is often synthetically processed (separating particles via elutriation or flotation and then purified) to allow for up to 99% pure carbon. It ranges from silvery gray to black, often with a luster. Even if the luster/sheen is not visible when painted, it can often be polished/burnished/buffed to a metallic shimmer or sheen (flattening the particles into a reflective surface, like a shoe-shine).

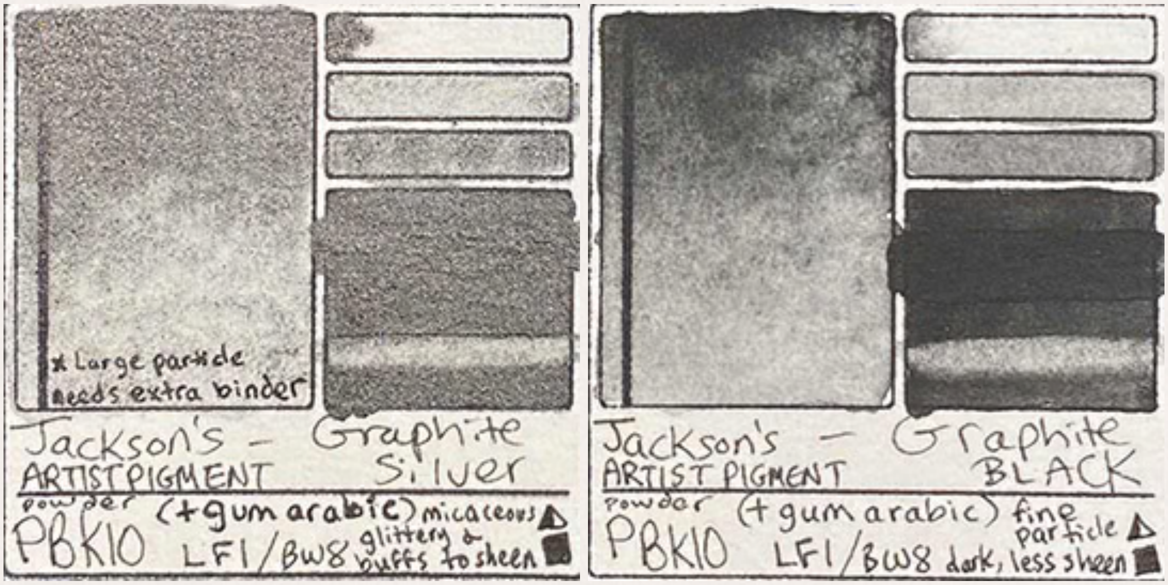

phite PBK10
rco Art Graf
Coarse micaceous
rightside= polish
Pigment database KimCrick.com

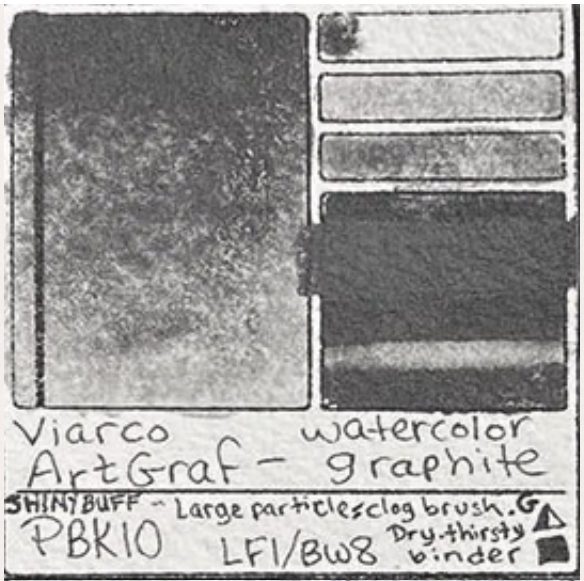

rs – Buff shine test
chmincke Horadam
tube) Graphite Grey
*DOES NOT BUFF SHINE
polish
Fine particle high % carbon

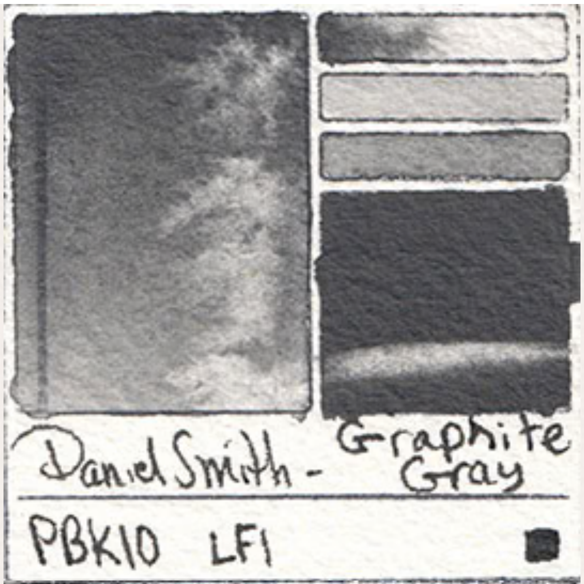
Many graphite products are made using a synthetic resin, starch or gum binder to be used as watersoluble paints. *Most* dry graphite paints can be buffed to a sheen, but this is reduced when the carbon content is high and the graphite is nearly black. Schmincke Horadam watercolor can *not* be polished even when rubbing the dried paint very hard with a smooth hard object (paint brush handle, back of a spoon or even a finger nail). This is mostly because Schminke's watercolor is very dark, high carbon, but also very fine particle size and above average amount of gum sealing the pigment. If you're looking for a metallic-like lustrous effect, I recommend another brand - such as ArtGraf. In heavy body acrylic paints, this luster effect can mimic real metal. Sennelier, Golden or Vallejo make wonderful PBk10 heavy body acrylics (with Vallejo being my favorite for most pigment to binder ratio, allowing for easy buffing without being too sealed in the binder). In acrylics raised brush strokes or held surface texture patterns can be allowed to dry, then rubbed to a shine resembling polished dark silver to gunmetal colored metals. (C.I. 77265)

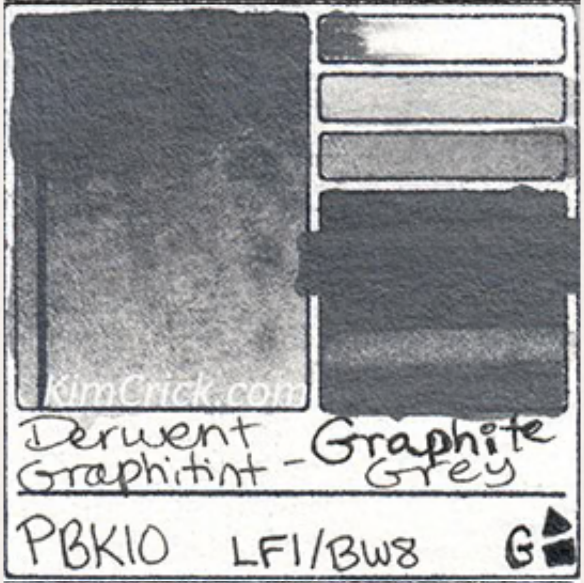


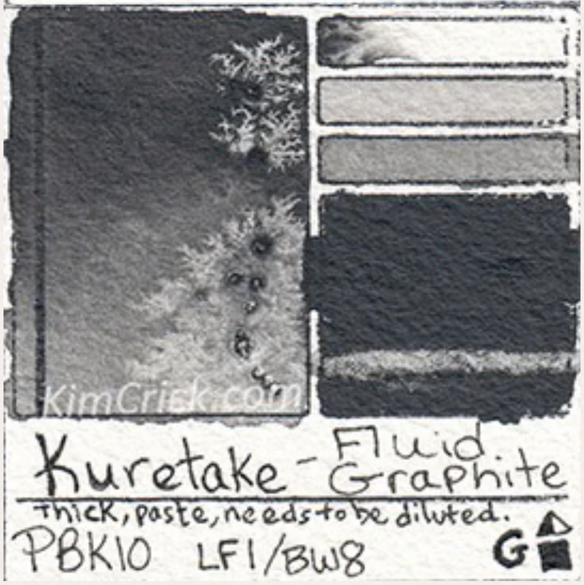
Graphite pencils are sometimes called "lead pencils" but modern pencils are made using graphite mixed with clay and other non-toxic binders - they do not contain toxic lead. The most common school pencils (standard "2b") as well as artist grade pencils (ranging from pale hard formulas to soft and highly pigmented darker ones) as seen in the image above can be rubbed onto sand paper to create a powder. You can use a blending stump (paper tortillon) for smoothly blended painterly effects, or stir it into some gum arabic on a dish to create easy DIY watercolor paint. This is a great way to use up some pencils you may have laying around while testing out if this pigment color is a good fit for your art style.

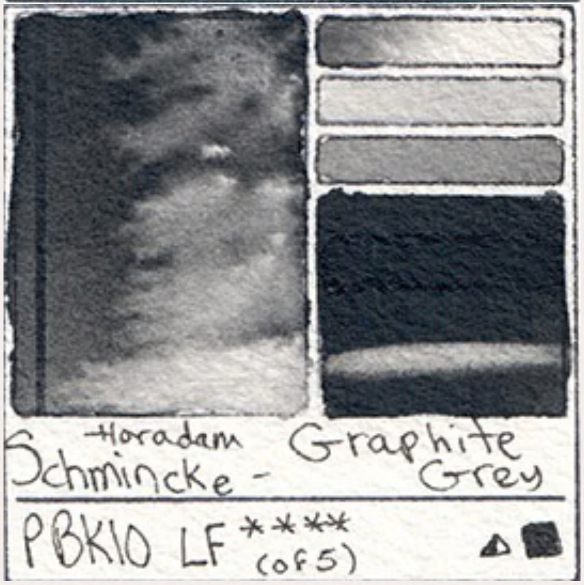

* Large particle needs extra binder
Jackson's - Graphite Silver
ARTIST PIGMENT
powder (+gum arabic) micaceous △
PBK10 LF1/BW8 glittery & buffs to sheen ■
Jackson's - Graphite BLACK
ARTIST PIGMENT
powder (+gum arabic) fine particle △
PBK10 LF1/BW8 dark, less sheen ■


Viarco watercolor
ArtGraf - graphite
SHINY BUFF - Large particles clog brush. G △
PBK10 LF1/BW8 Dry-thirsty binder ■

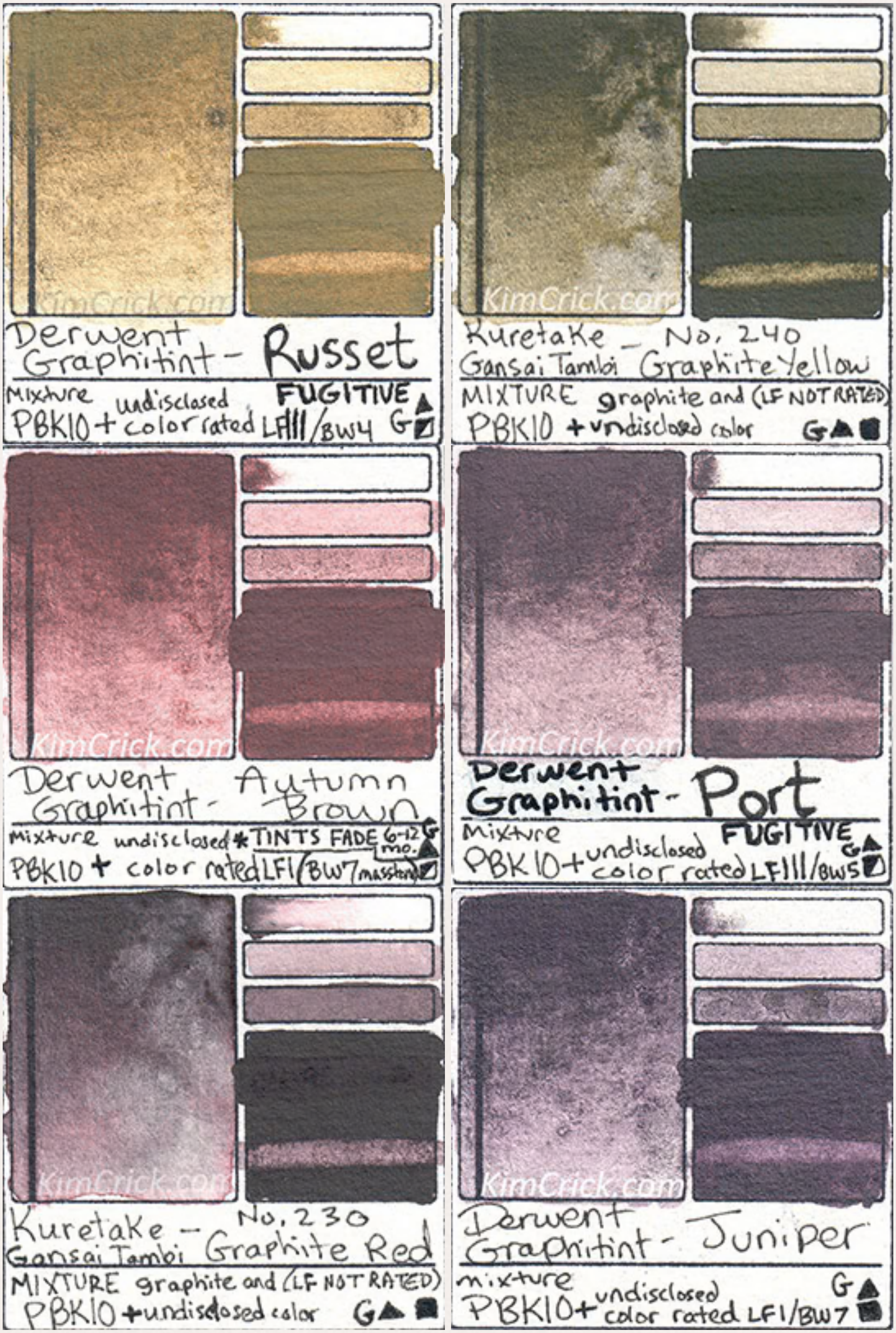

Daniel Smith - Graphite Gray
PBK10 LF1 ■

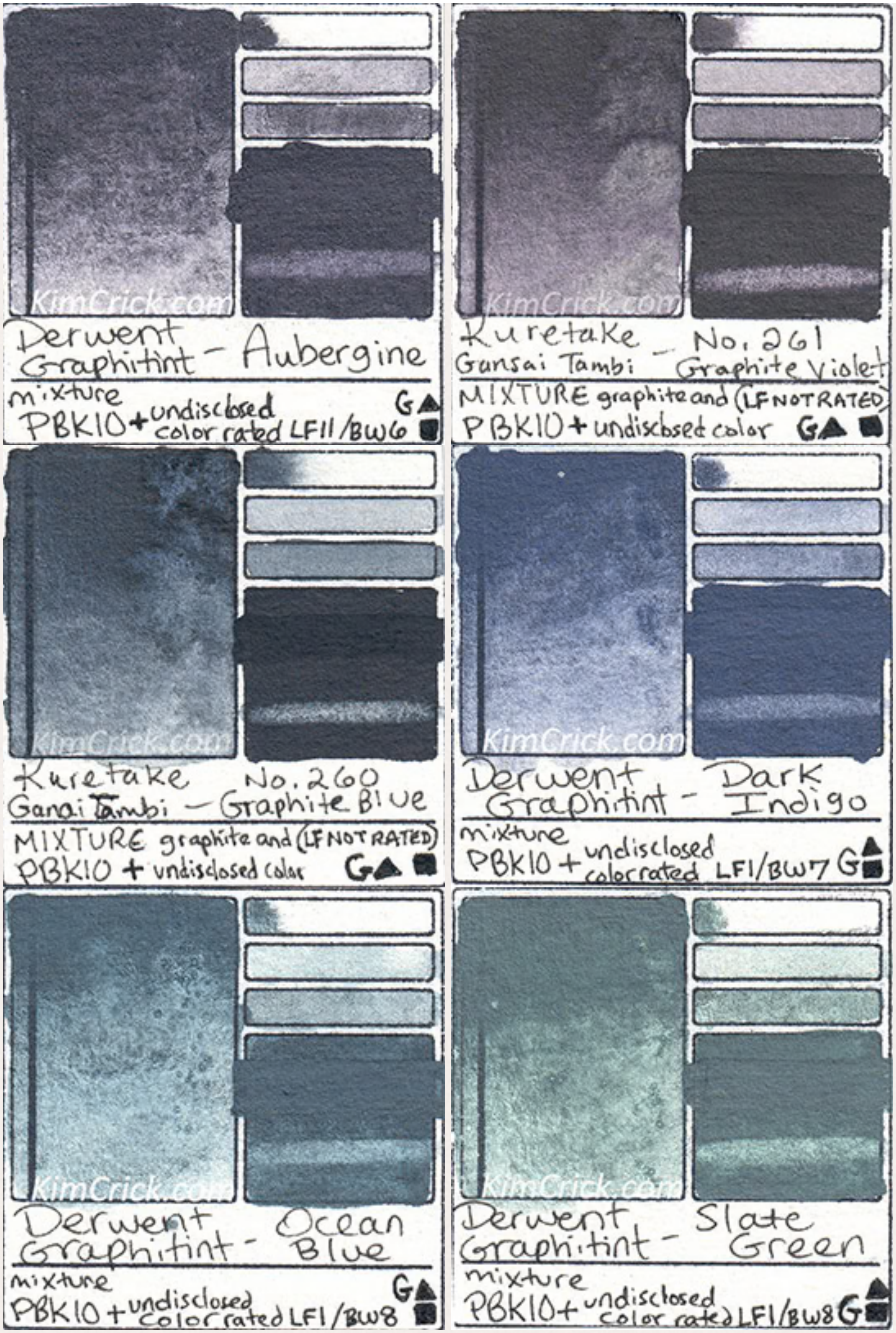

KimCrick.com
Derwent Graphitint - Graphite Grey
PBK10 LF1/BW8 G ▲■

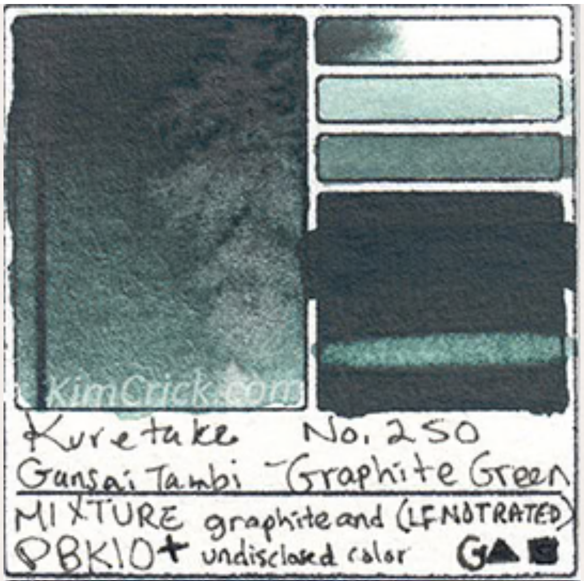

KimCrick.com
Kuretake - Fluid Graphite
thick, paste, needs to be diluted.
PBK10 LF1/BW8 G △■

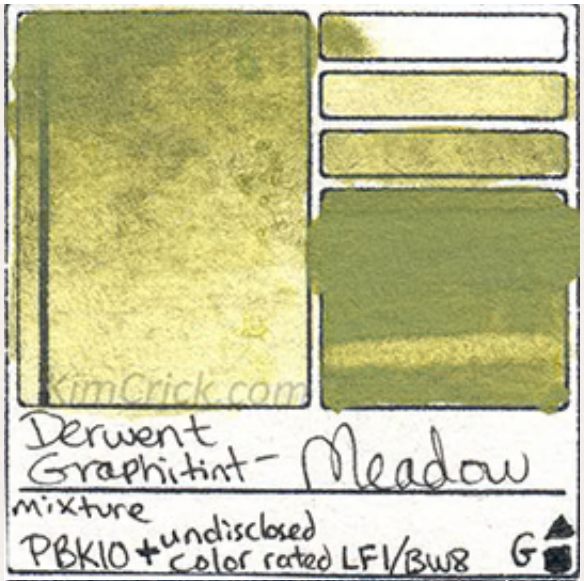

Horadam
Schmincke - Graphite Grey
PBK10 LF **** (of 5) △■

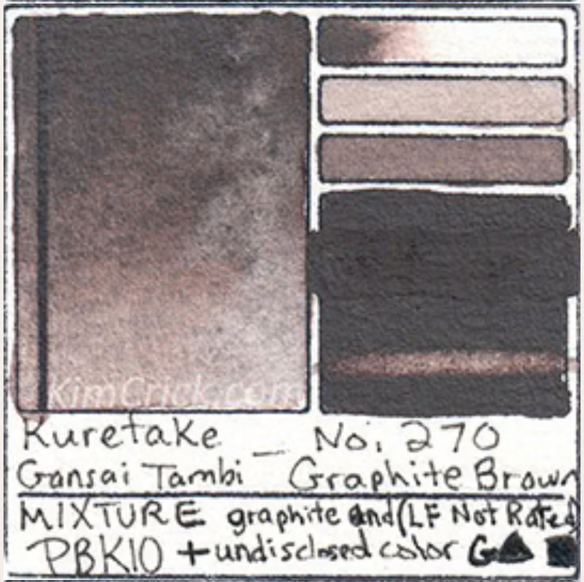
PBk10 Mixtures:

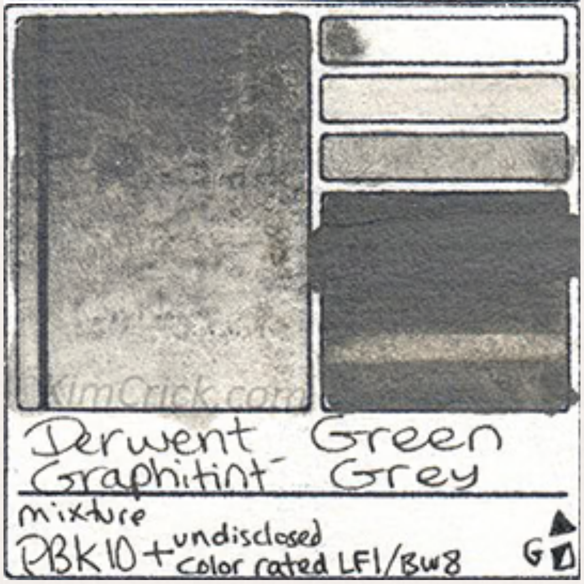

Derwent Graphitint - Russet
Mixture undisclosed FUGITIVE
PBK10 + color rated LFIII/BW4 G▲☑
Kuretake - No. 240
Gansai Tambi Graphite Yellow
MIXTURE graphite and (LF NOT RATED)
PBK10 + undisclosed color G▲■
Derwent Graphitint - Autumn Brown
mixture undisclosed *TINTS FADE 6-12 mo. G▲
PBK10 + color rated LFI (BW7 masstone) ☑
Derwent Graphitint - Port
Mixture undisclosed FUGITIVE G▲
PBK10 + undisclosed color rated LFIII/BW5 ☑
Kuretake - No. 230
Gansai Tambi Graphite Red
MIXTURE graphite and (LF NOT RATED)
PBK10 + undisclosed color G▲■
Derwent Graphitint - Juniper
mixture undisclosed G▲
PBK10 + color rated LFI/BW7 ■

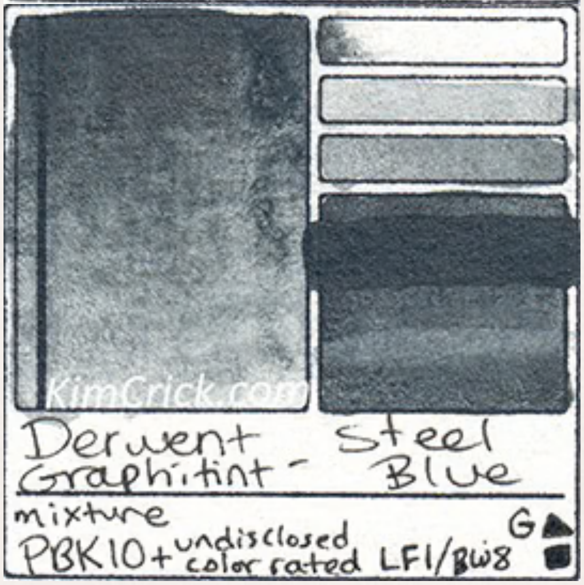

KimCrick.com
Derwent Graphitint - Aubergine
mixture
PBK10 + undisclosed color rated LFII/BW6 G▲■
KimCrick.com
Kuretake No. 261 Gansai Tambi - Graphite Violet
MIXTURE graphite and (LF NOT RATED)
PBK10 + undisclosed color G▲■
KimCrick.com
Kuretake No. 260 Ganai Tambi - Graphite Blue
MIXTURE graphite and (LF NOT RATED)
PBK10 + undisclosed color G▲■
KimCrick.com
Derwent Graphitint - Dark Indigo
mixture
PBK10 + undisclosed color rated LFI/BW7 G▲■
KimCrick.com
Derwent Graphitint - Ocean Blue
mixture
PBK10 + undisclosed color rated LFI/BW8 G▲■
KimCrick.com
Derwent Graphitint - Slate Green
mixture
PBK10+ undisclosed color rated LFI/BW8 G▲■


KimCrick.com
Kuretake No. 250
Gansai Tambi - Graphite Green
MIXTURE graphite and (LF NOT RATED)
PBK10 + undisclosed color
G▲■


KimCrick.com
Derwent Graphitint - Meadow
mixture
PBK10 + undisclosed color rated LFI/BW8
G▲■

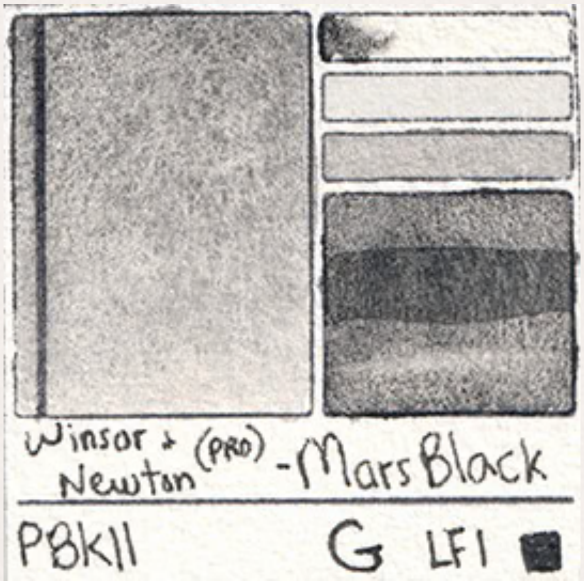

KimCrick.com
Kuretake - No. 270
Gansai Tambi Graphite Brown
MIXTURE graphite and (LF Not Rated
PBK10 + undisclosed color
G▲■

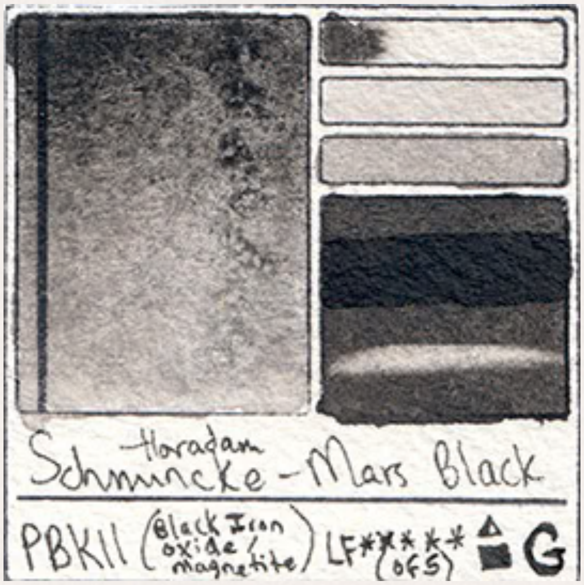

KimCrick.com
Derwent Green
Graphitint - Grey
mixture
PBK10 + undisclosed color rated LFI/BW8
G▲◪

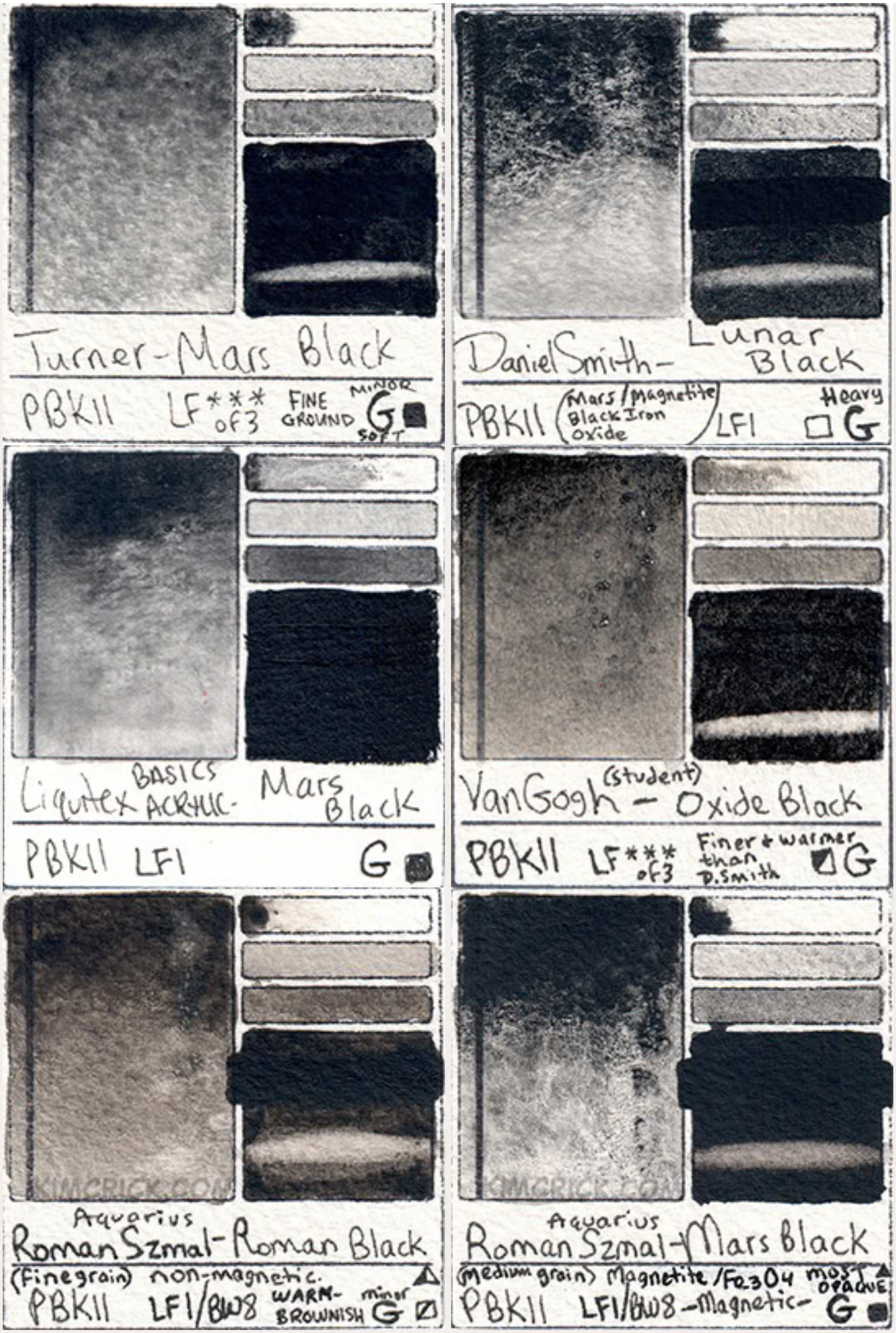

KimCrick.com
Derwent - Steel
Graphitint - Blue
mixture
PBK10 + undisclosed color rated LFI/BW8
G▲■

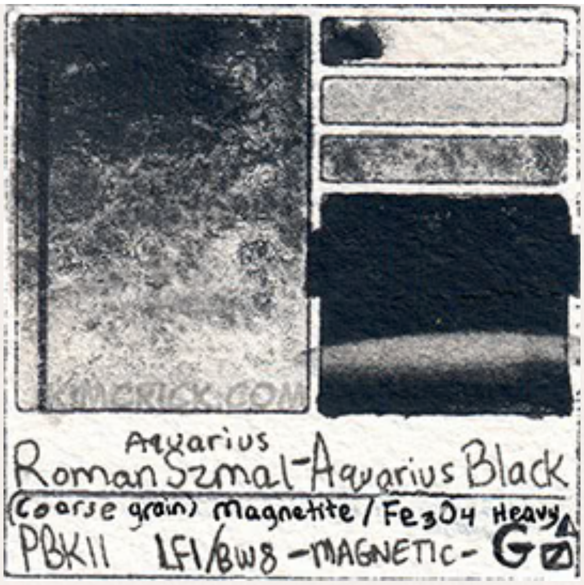
PBk11 Mars Black:

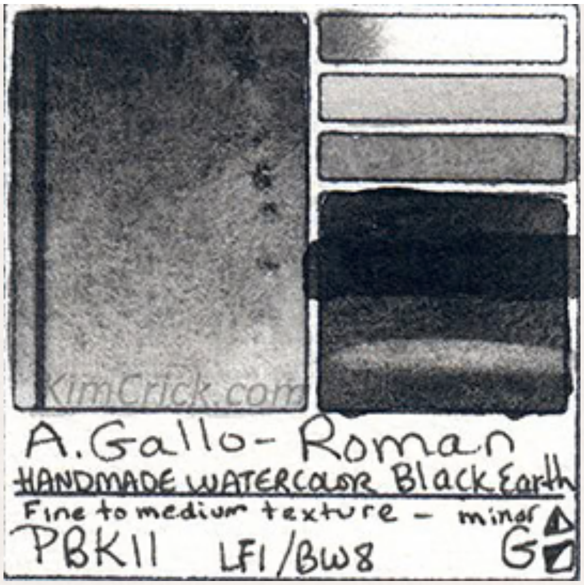
Lightfastness not rated. Black Iron Oxide, formula Fe_3O_4. Can be made from chemically altering (heating) other Iron Oxides, or found naturally as Magnetite. Some pigment suppliers will provide you with information regarding the source of their Black Iron Oxide. Unfortunately, this pigment code does not benefit from the standard synthetic or natural distinction that has been assigned to other iron oxides. The others have received multiple pigment codes (such as synthetic PY42 vs natural PY43 Yellow Iron Oxide, synthetic PBr6 vs natural PBr7 Brown Iron Oxide or synthetic PR101 vs natural PR102 Red Iron Oxide). Most "natural" PBk11 pigment powders will usually need to be filtered in some way (particles separated from impurities), since rocks containing magnetite often form side by side with other materials such as quartz (SiO_2) and hematite (Fe_2O_3). PBk11 watercolor is offered in many particle sizes, with the finest smallest ones being smoother and the most coarse large particles being extremely granulating. The most textural options I've seen include Lunar Black from Daniel Smith and Aquarius Black from Roman Szmal. (C.I. 77489 / 77499)



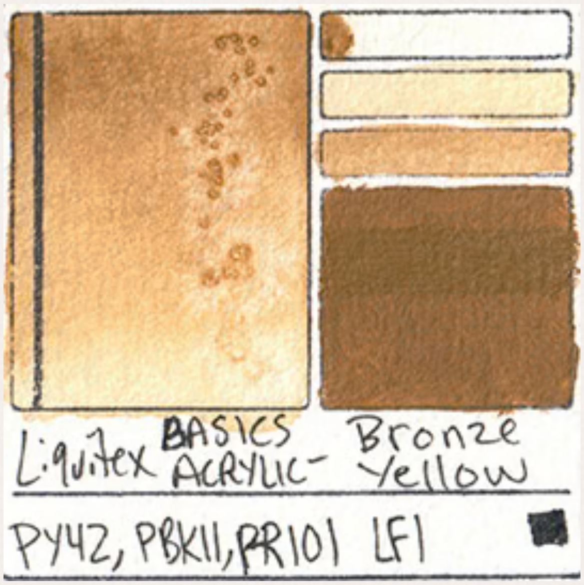

Schmincke Horadam - Mars Black
PBk11 (Black Iron oxide / magnetite)
LF**** (of 5)
▲
■
G

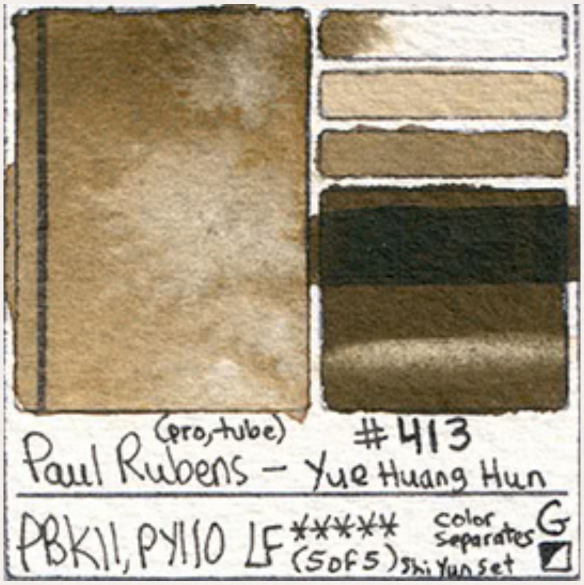

Turner-Mars Black
PBK11 LF*** of3 FINE GROUND minor G soft
DanielSmith- Lunar Black
PBK11 (Mars/Magnetite Black Iron oxide) LF1 ☐ Heavy G
Liqutex BASICS ACRYLIC- Mars Black
PBK11 LF1 G
VanGogh (student) - Oxide Black
PBK11 LF*** of3 Finer & warmer than D.Smith G
KIMCRICK.COM
Aquarius Roman Szmal-Roman Black
(Finegrain) non-magnetic. △
PBK11 LF1/BW8 WARM-BROWNISH minor G ☒
KIMCRICK.COM
Aquarius Roman Szmal-Mars Black
(medium grain) Magnetite/Fe3O4 MOST OPAQUE ▲
PBK11 LF1/BW8 -Magnetic- G

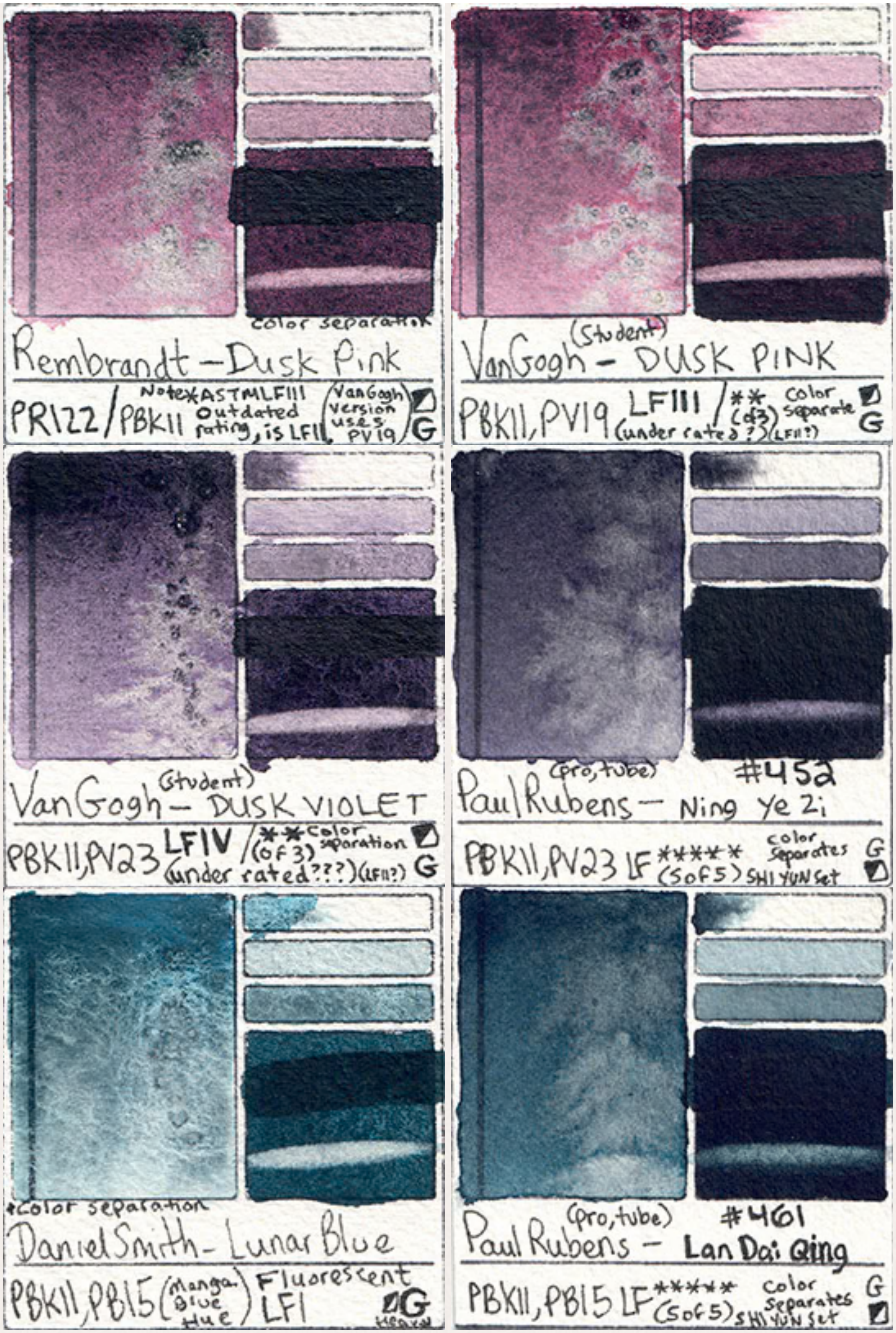

KIMCRICK.COM
Aquarius
Roman Szmal-Aquarius Black
(coarse grain) Magnetite / Fe3O4 Heavy
PBK11 LFI/BW8 -MAGNETIC- G

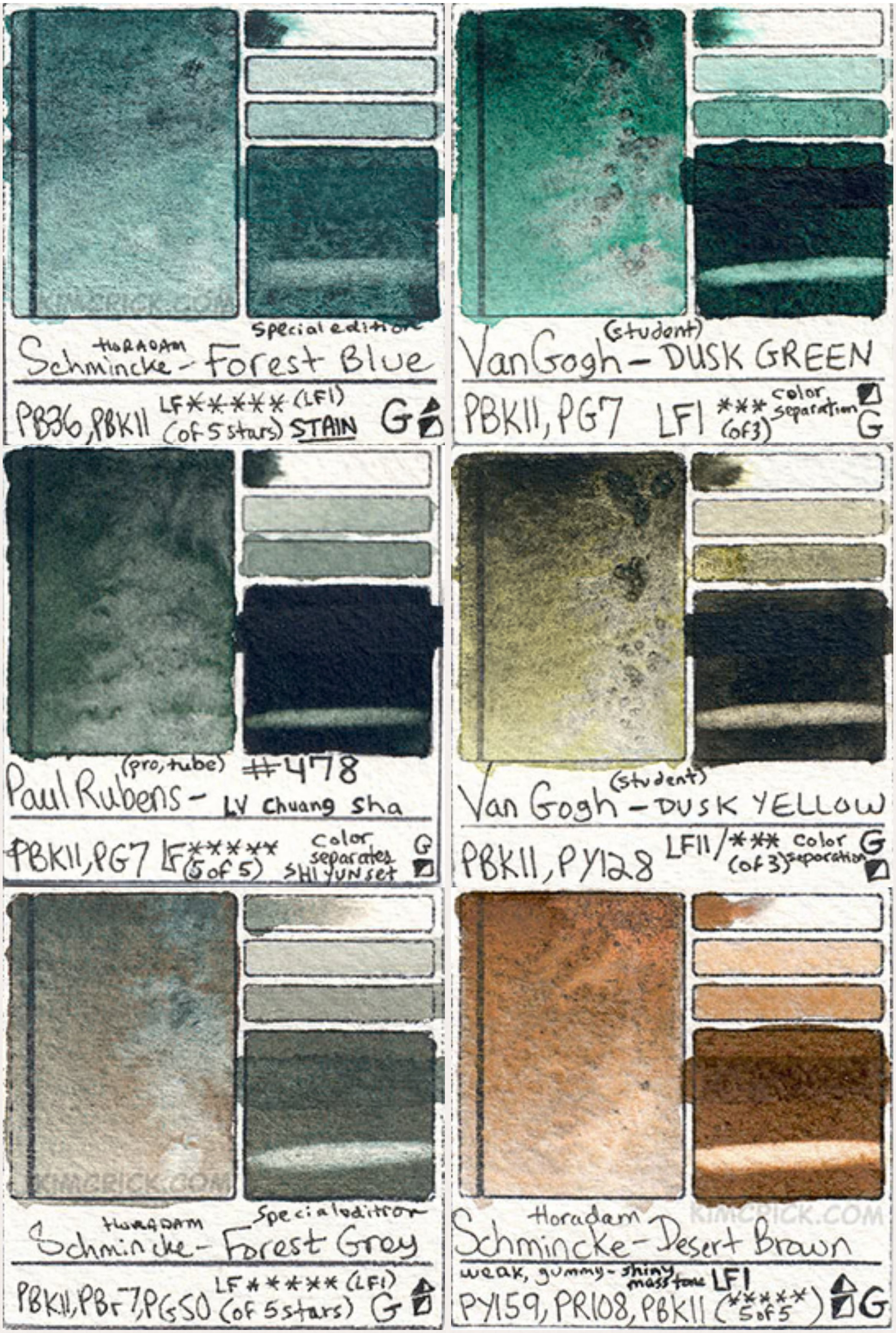

KimCrick.com
A.Gallo- Roman
HANDMADE WATERCOLOR Black Earth
Fine to medium texture - minor
PBK11 LFI/BW8 G

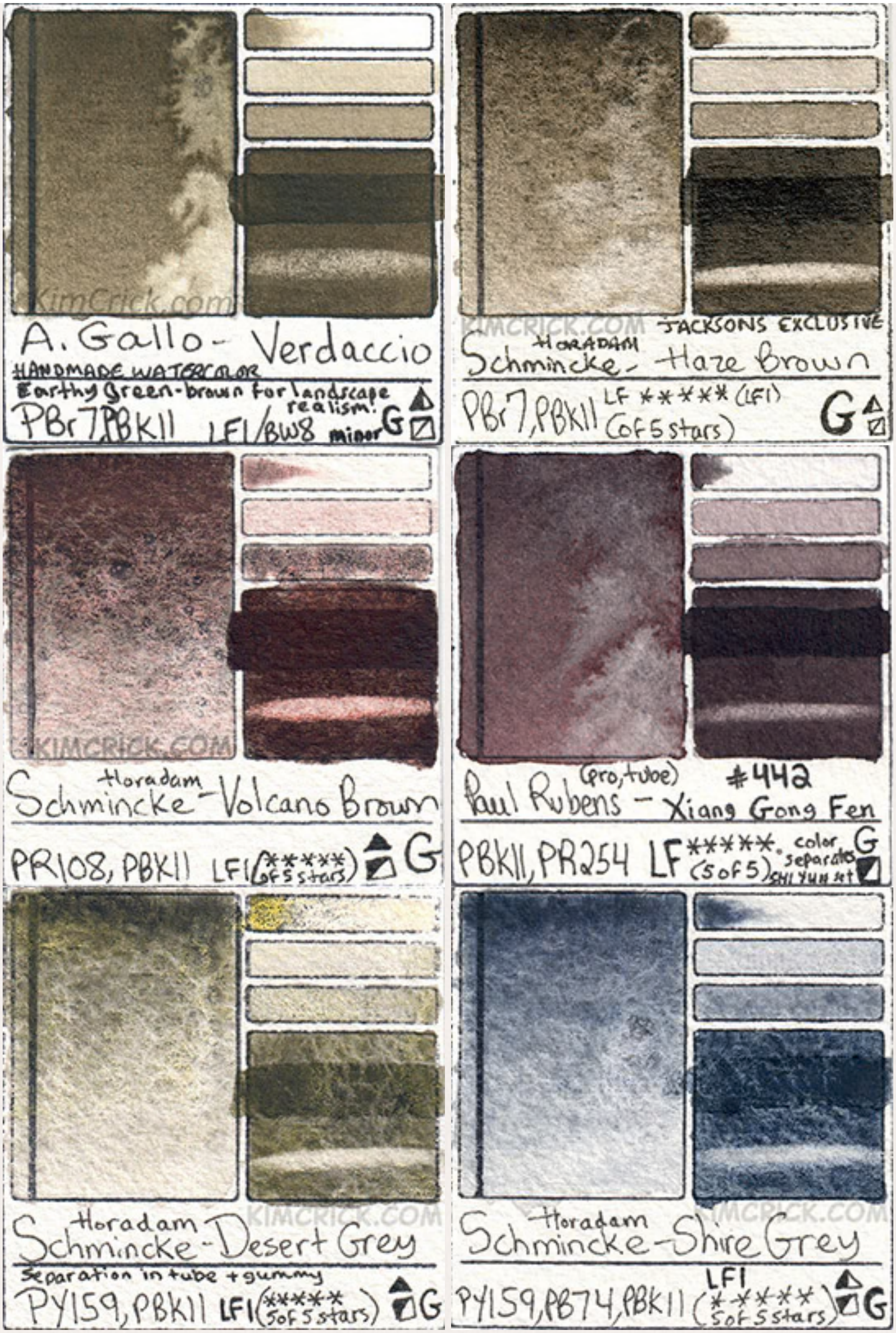
PBk11 Mixtures:

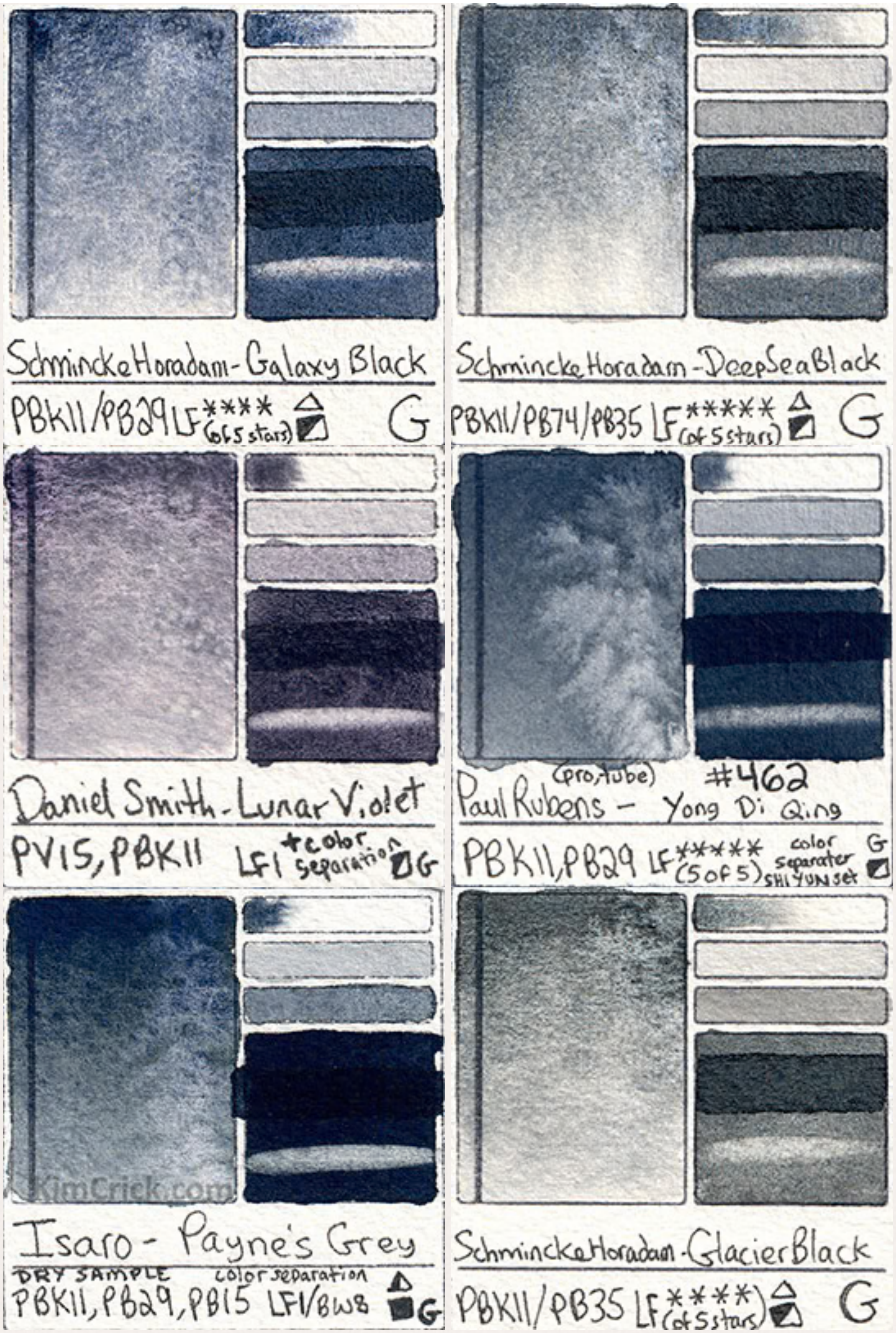

Liquitex BASICS ACRYLIC- Bronze Yellow
PY42, PBK11, PR101 LFI

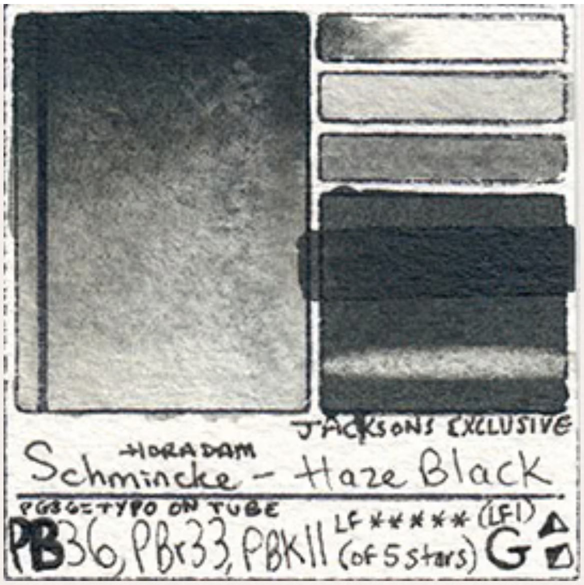

(pro, tube) #413
Paul Rubens - Yue Huang Hun
PBK11, PY110 LF *****
(5 of 5) Shi Yun Set
color separates
G

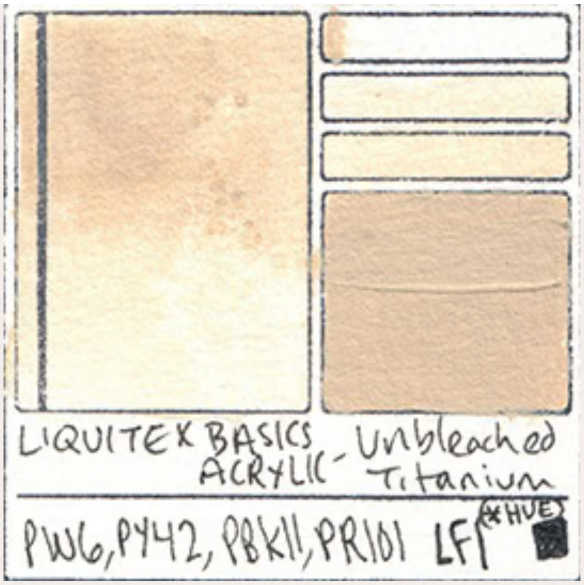

color separation
Rembrandt – Dusk Pink
PR122/PBK11 Note*ASTM LFIII Outdated rating, is LFII (VanGogh version uses PV19) G
(Student)
VanGogh – DUSK PINK
PBK11, PV19 LFIII (under rated?) / ** (of3) (LFII?) Color separate G
(Student)
VanGogh – DUSK VIOLET
PBK11, PV23 LFIV (under rated???) / ** (of 3) (LFII?) color separation G
(pro, tube) #452
Paul Rubens – Ning Ye Zi
PBK11, PV23 LF **** (5of5) SHI YUN set color separates G
*color separation
Daniel Smith – Lunar Blue
PBK11, PB15 (Manga Blue Hue) Fluorescent LFI G
(pro, tube) #461
Paul Rubens – Lan Dai Qing
PBK11, PB15 LF ***** (5of5) SHI YUN set color separates G


Special edition
HORADAM
Schmincke - Forest Blue
PB36, PBK11 LF***** (LF1) (of 5 stars) STAIN G
(student)
VanGogh - DUSK GREEN
PBK11, PG7 LF1 *** (of3) color separation G
(pro, tube) #478
Paul Rubens - LV Chuang Sha
PBK11, PG7 LF***** (5 of 5) color separates SHIYUN set G
(student)
Van Gogh - DUSK YELLOW
PBK11, PY128 LFII/*** (of 3) color separation G
Special edition
HORADAM
Schmincke - Forest Grey
PBK11, PBr7, PG50 LF***** (LF1) (of 5 stars) G
Horadam
Schmincke - Desert Brown
weak, gummy - shiny masstone LF1
PY159, PR108, PBK11 (***** 5 of 5) G
KIMCRICK.COM


KimCrick.com
A. Gallo - Verdaccio
HANDMADE WATERCOLOR
Earthy green-brown for landscape realism!
PBr7,PBK11 LFI/BW8 minor G
KIMCRICK.COM
JACKSONS EXCLUSIVE
HORADAM
Schmincke - Haze Brown
PBr7,PBK11 LF ***** (LFI) (of 5 stars) G
KIMCRICK.COM
Horadam
Schmincke - Volcano Brown
PR108, PBK11 LFI (***** of 5 stars) G
(pro, tube)
Paul Rubens - Xiang Gong Fen
#442
PBK11, PR254 LF *****. (5 of 5) color separates SHI YUN set G
Horadam
Schmincke - Desert Grey
KIMCRICK.COM
Separation in tube + gummy
PY159, PBK11 LFI (***** 5 of 5 stars) G
Horadam
Schmincke - Shire Grey
KIMCRICK.COM
PY159,PB74,PBK11 LFI (***** 5 of 5 stars) G


Schmincke Horadam - Galaxy Black
PBK11/PB29 LF **** (of 5 stars) G
Schmincke Horadam - Deep Sea Black
PBK11/PB74/PB35 LF ***** (of 5 stars) G
Daniel Smith - Lunar Violet
PV15, PBK11 LFI +color separation G
Paul Rubens - (pro, tube) #462 Yong Di Qing
PBK11, PB29 LF ***** (5 of 5) color separater SHIYUN set G
KimCrick.com
Isaro - Payne's Grey
DRY SAMPLE color separation
PBK11, PB29, PB15 LFI/BW8 G
Schmincke Horadam - Glacier Black
PBK11/PB35 LF **** (of 5 stars) G

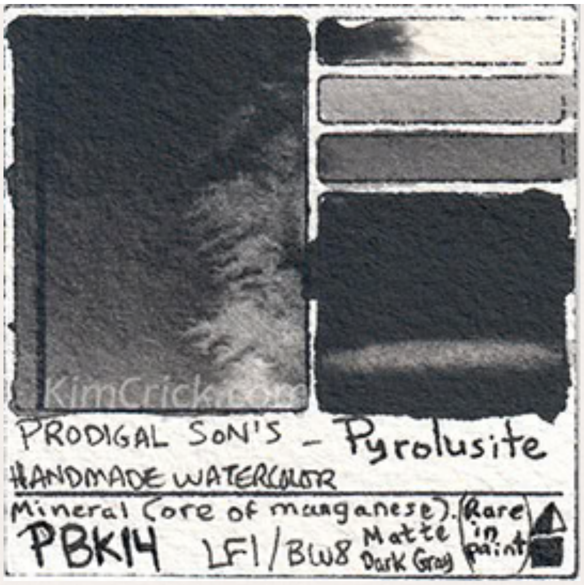

JACKSONS EXCLUSIVE
HORADAM
Schmincke - Haze Black
PG36=TYPO ON TUBE
PB36, PBr33, PBK11
LF ***** (LFI)
(of 5 stars)
G


LIQUITEX BASICS ACRYLIC - Unbleached Titanium
PW6, PY42, PBK11, PR101 LFI
(*HUE)

PBk12 Iron Titanium Brown Spinel:
Uncommon. LFI / BW8. Made by heating Iron Oxide & Titanium Oxide, or found in Ilmenite ore with the chemical formula $FeTiO_3$. (C.I. 77543)

PBk13 Cobalt Black:
Uncommon. LFI. Slightly toxic. Usually produced from various forms of Cobalt Oxide. (C.I. 77322)

PBk14 Manganese Black:
AKA Pyrolusite. Uncommon. LFI. Slightly toxic. Can be prepared synthetically from Manganese ores, or found naturally in Pyrolusite or Polianite. (C.I. 77728)


KimCrick.com
PRODIGAL SON'S - Pyrolusite
HANDMADE WATERCOLOR
Mineral (ore of manganese).
Rare in paint
PBK14
LFI / BW8
Matte Dark Gray

PBk17 Zinc Sulfide:

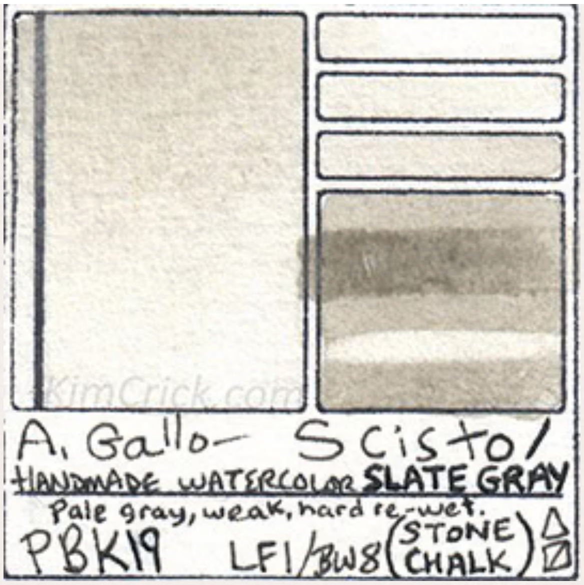
Uncommon. Lightfastness not rated. Chemical formula of ZnS, found naturally in the mineral Sphalerite or made synthetically from mixing Zinc salts with Hydrogen Sulfide. (C.I. 77975)

PBk18 Mineral Black:

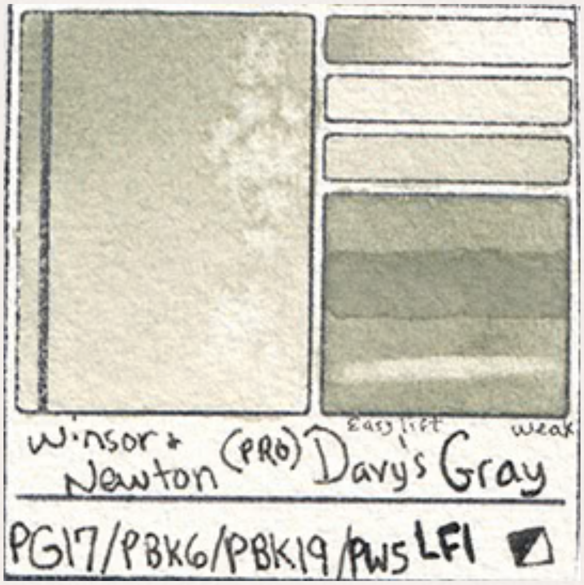
Uncommon. Lightfastness not rated. Typically an aluminum silicate, but may contain varying amounts of carbon. (C.I. 77011)

PBk19 Slate Black:

AKA French Ardoise Grey. LFI / BW8. Very few paint makers offer this pigment. It is a dull, weak gray that may produce unpleasant texture in watercolor (as seen in Qor). Has been called Davy's Grey Deep by Williamsburg oil paint, which offers two options for PBk19 including a lighter greenish and darker cooler gray version. Most brands of "Davy's Grey" are a pale greenish-gray multi pigment mixture (including a black and white mixed with a green like PG18 or PG23). PBk19 can be made synthetically with Aluminum Silicates, or found naturally as Slate (a sedimentary rock made up of clay or volcanic ash, often a combination of minerals such as quartz, illite and chlorite). (C.I. 77017)


KimCrick.com
A. Gallo— Scisto/
HANDMADE WATERCOLOR SLATE GRAY
Pale gray, weak, hard re-wet.
PBK19 LF1/BW8 (STONE CHALK) △ ☒

PBk19 Mixtures:


Winsor & Newton (PRO) Davy's Gray
Easy lift
weak
PG17/PBK6/PBK19/PW5 LFI ☒

PBk22 Copper Chromite Black:
Uncommon. LFI. Slightly toxic. Made from crystalline Copper Chromite ($Cu_2Cr_2O_5$). (C.I. 77429)

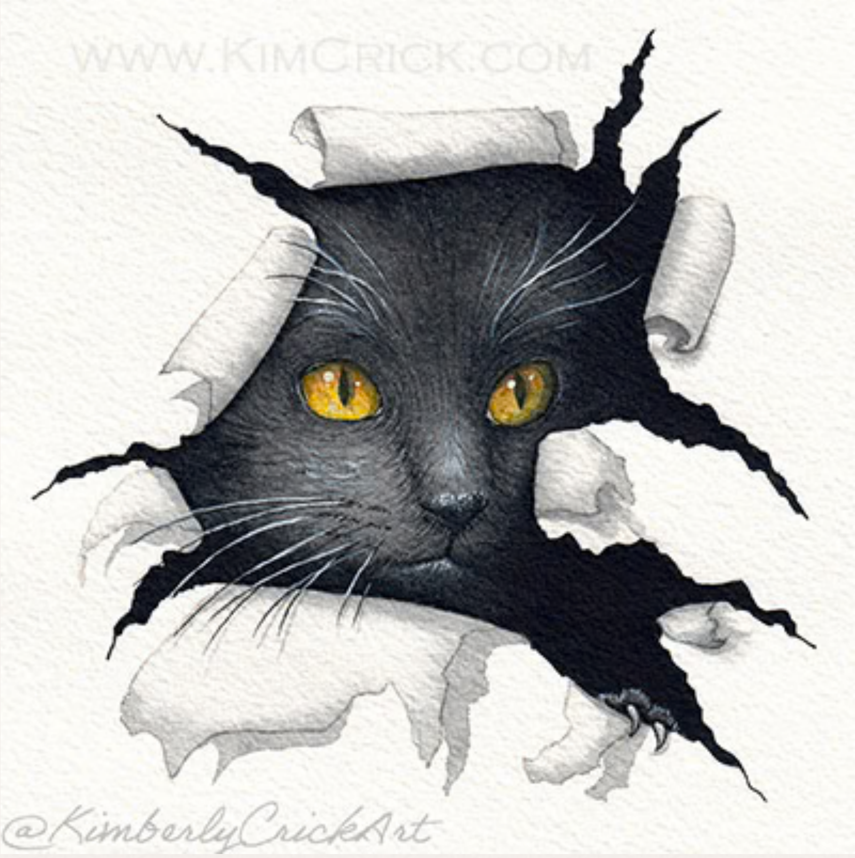
PBk23 Tin Antimony Gray:
Uncommon. Lightfastness not rated. Slightly toxic. Made by heating varying mixtures of Tin Oxide & Antimony Oxide, but can contain other materials (C.I.

77865)

PBk24 Titanium Vanadium Antimony Gray:
Uncommon. Lightfastness not rated. Slightly toxic. Product of heating Titanium Oxide, Vanadium Oxide & Antimony Oxide. (C.I. 77898)

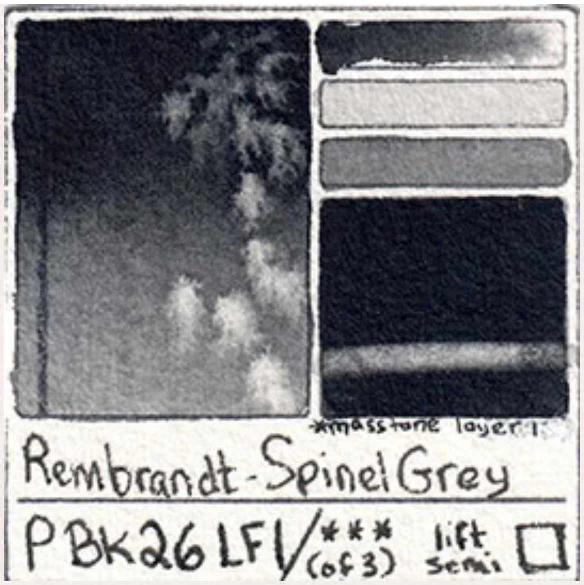
PBk25 Cobalt Nickel Gray:
Uncommon. Lightfastness not rated. Slightly toxic. Heating Cobalt Oxide with Nickel Oxide results in a Cobalt Nickel matrix. May contain other trace minerals. (C.I. 77332)

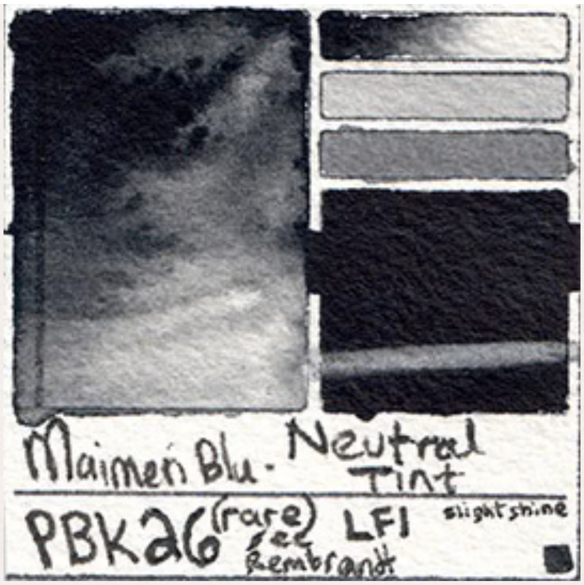
PBk26 Manganese Ferrite Black:
Rare, lightfast deep black that comes from ferrous or ferric iron mixtures with Manganese, and can be diluted to a huge value range of neutral grays. **Offered as Spinel Grey by Rembrandt or Neutral Tint by Maimeri Blu**, this pigment is new to the watercolor world being present in just two brands as of 2018-2021. I am hopeful it will be added to more brands in the future, as it is one of the most impressively smooth, non-granulating, fine particle, extremely neutral (very little warm or cool bias) black pigments with a useful pitch-black ink-like masstone. The Rembrandt version is slightly easier to lift, salt react and dries more flat (very matte, non-glossy) in comparison to Maimeri Blu's version. (C.I. 77494)
-



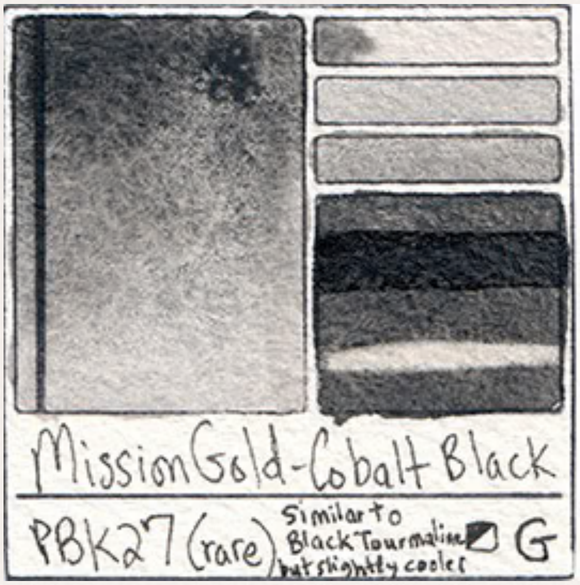
-

This pigment does not reflect light, but rather seems to absorb it - giving the appearance of a black hole. It can be remarkably helpful to design work as an alternative to black gouache, but also as a way to darken colors when mixing instead of using a neutral tint mixture. Notably dark in masstone (see bottom right square). The area above the LIFT stripe does have a second layer stripe added after dry, but it does not appear different because this color was capable of being **pitch black in a single layer**.


*masstone layer 1
Rembrandt-Spinel Grey
PBK26 LFI/*** (of 3)
lift semi ☐


Maimeri Blu - Neutral Tint
PBK26 (rare) see Rembrandt
LFI
slight shine ■

PBk27 Iron Cobalt Chromite Black:
Uncommon. Lightfastness not rated. Slightly toxic. Mixture of Iron, Cobalt & Chromium Oxides is heated, ideally to form the compound $CoCrFeO_4$.(C.I. 77502)

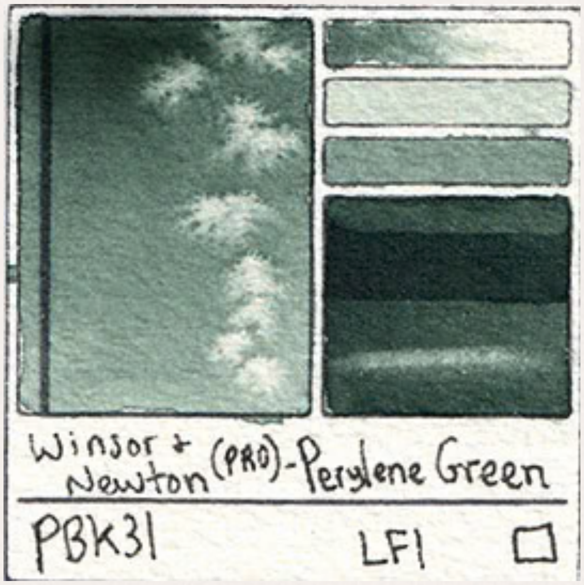

MissionGold-Cobalt Black
PBK27 (rare)
Similar to Black Tourmaline but slightly cooler
◪ G

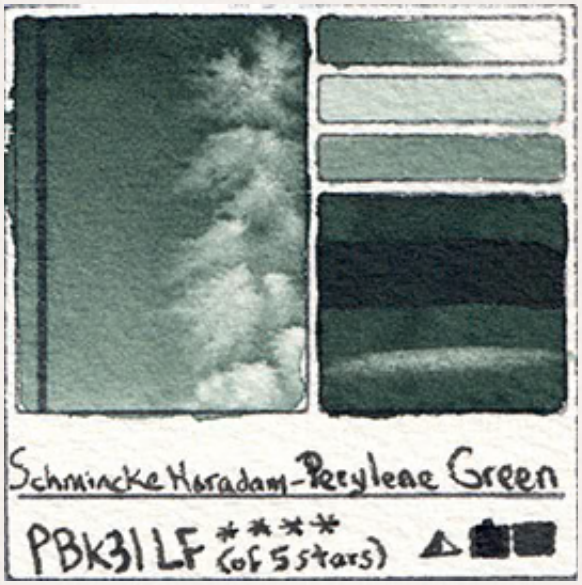
PBk28 Copper Chromite Black:
Uncommon. LFI. Slightly toxic. Chemical compound of $CuCr_2O_4$,differing very slightly from PBk22. (C.I. 77428)

PBk29 Iron Cobalt Black:
Uncommon. LFI. Slightly toxic. Typically found in the formula $CoFe_2$, but amounts of Cobalt & Iron Oxides mixed can vary. (C.I. 77498)

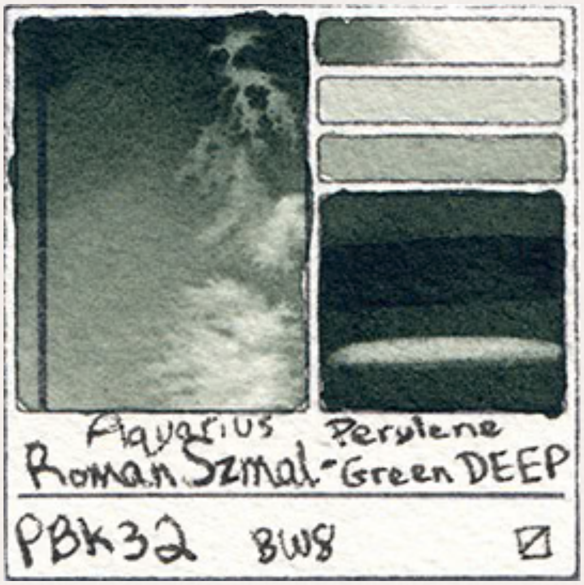
PBk30 Chrome Iron Nickel Black:
Uncommon. Lightfastness not rated. Mixed metal oxide consisting of Chromium, Iron & Nickel in the ideal formula of $(Ni,Fe)(Cr,Fe)_2O_4$. (C.I. 77504)

PBk31 Perylene Green:
Also known as Shadow Green. Typically rated LFI /BW8, but some minor fading has been reported in tints. Synthetic organic. Very deep green color produced from the Perylene series of hydrocarbons (also used in the creation of Perylene Violet/Red/Maroon and other colors). (C.I. 71132)


Winsor + Newton (PRO) - Perylene Green
PBK31
LFI
☐


Schmincke Horadam - Perylene Green
PBK31 LF ****
(of 5 stars)
△ ■■

PBk32 Perylene Black:
Uncommon, I have only found this pigment used in Roman Szmal's Aquarius watercolors. LFI. Very dark green with slightly warmer, yellow-brown leaning coloration compared to the cooler PBk31 version. Inorganic. Produced from the Perylene hydrocarbon compounds. (C.I. 71133)



PBk33 Iron Manganese Oxide:
Uncommon. LFI. Mixture consisting of Iron Oxide & Manganese Oxide, ideal formula of Fe_2MnO. (C.I. 77537)

PBk34 Molybdenum Disulfide:
Uncommon. LFI. Compound of Molybdenum & Sulfur, to create the formula Fe_2. Pigment color is usually a silvery black color that can be found naturally in the mineral molybdenite. (C.I. 77770)

PBk35 Titanium Dioxide Black:
Uncommon. LFI. Typically produced by chemical reduction, this compound has also seen use as a photocatalyst & material for energy production. (C.I. 77890)

NBk1, NBk2, NBk3, NBk4 Logwood:

Uncommon. Lightfastness not rated. Logwood Dye mixed with pigments to form a Lake. Also known as Hematoxylin or Hematein. The compound comes from the heartwood of the Logwood tree. (C.I. 75290 / 75291)

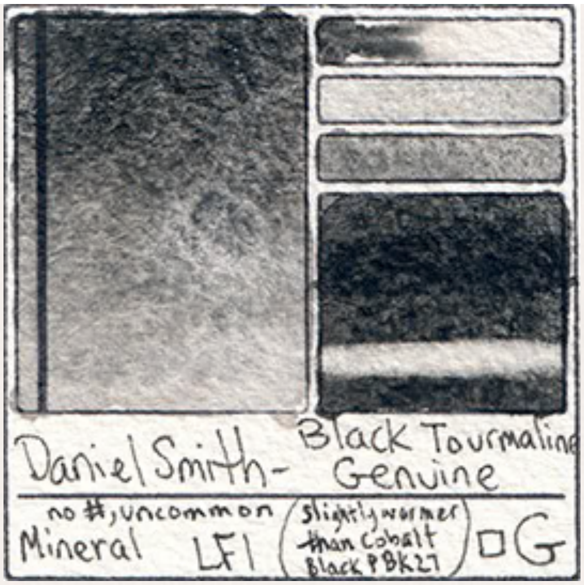
NBk6 Asphaltum:
Uncommon. Lightfastness not rated. Naturally occurring hydrocarbons that results in compound similar to coal tar-based asphalt.

Acetylene Black:
Uncommon. LFI. A crystalline Carbon Black pigment of high purity made via decomposition of Acetylene (the simple hydrocarbon C_2H_2 Ethyne).

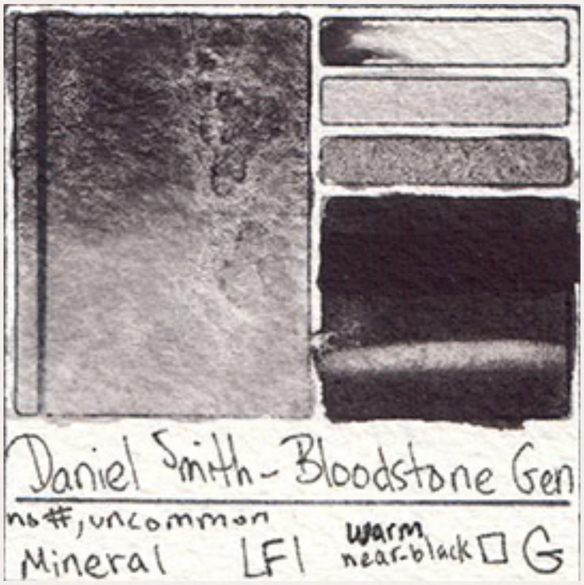
Antimony Black:
Uncommon. Lightfastness not rated. Highly Toxic. Usually in the form of powdered Stibnite. The mineral is a natural source for Antimony (Sb), and has the chemical formula Sb_2S_3.

Black Earth:
Uncommon. Lightfastness not rated, but likely to be fugitive (similarly to Brown Earth/Vandyke Brown NBr8) due to the nature of minerals mixed with surrounding organic matter. The stable core composition of this pigment can vary, containing Iron Oxides, Magnetite, Graphite etc. (C.I. 77268)

Black Tourmaline Genuine: A rare mineral pigment offered by Daniel Smith.


Daniel Smith- Black Tourmalin
Genuine
no #, uncommon
Mineral
LFI
slightly warmer than Cobalt Black PBK27
☐ G

Bloodstone Genuine: A rare mineral pigment offered by Daniel Smith. Bloodstone gets its name from the red spots of hematite mixed throughout green jasper. Lightfast, granulating near-black red-brown.


Daniel Smith - Bloodstone Gen
no #, uncommon
Mineral
LFI
warm near-black
☐ G

Cobaltic Oxide:

Uncommon. Lightfastness not rated. Co_2O_3 is rare & reportedly less stable than other oxides of Cobalt. (C.I. 77323)

Cuprous Sulfide:
Uncommon. Lightfastness not rated. Also known as Copper(I) Sulfide, with formula Cu_2S - found naturally in Chalcocite. (C.I. 77449)

Hartshorn Black:
Uncommon. Lightfastness not rated. Made by heating the horns of male Red Deer, which can be commonly found throughout most of Europe.

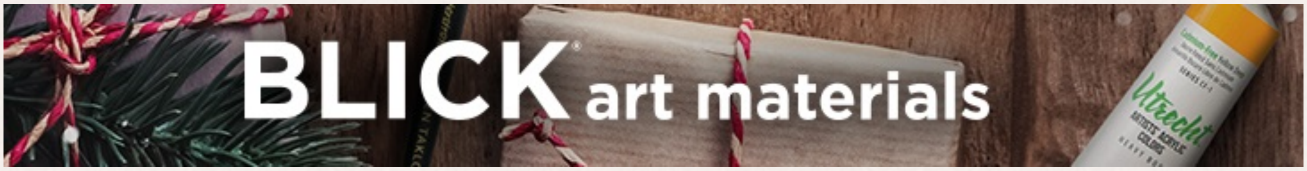
Ivory Black Genuine:
Uncommon. Lightfastness not rated. Illegal in most countries, due to the creation involving calcined (burnt) elephant tusks. This dark black pigment has been replaced by the use of cattle and other animal bones (typically obtained as a waste product from the food industry) and charred into making the common "Ivory Black" pigment known as PBk9.

Lead Sulfide:
Uncommon. Lightfastness not rated. Chemically, it is Lead Sulfide (PbS), which can be found in nature as the ore Galena.

Swatch card template available for download here, or get the rubber stamp here. Swatch cards were painted on Legion Black or Arches Cold Press 100% cotton watercolor paper. Paper and brushes are available at Jackson's or Amazon here:

Affiliate Leaderboard Studio

I purchase most of my art supplies at Blick or Jackson's art materials.


BLICK art materials
Utrecht

I use affiliate links only to stores that I have personally shopped with. When available I'll include multiple reputable stores so you can compare and decide where you'd like to shop. Dick Blick ("DB" links below) is a large art supply chain store here in the USA that ships worldwide. Jackson's ("Jack" links below) is a great UK based art supply store which also ships worldwide, but carries some harder to find European products with quick low cost shipping to the USA. Amazon USA ("Ama" links below) often offers unique brands, including small business and Chinese off brand watercolor sets, that can not be found anywhere else. As an Amazon associate, I earn from qualifying purchases.

Arches 100% cotton cold press 140# watercolor paper is one of the most durable surfaces for technical pen, scrubbing and lifting. It's surface sizing (coating) and texture is a good middle ground compared to the extremes of different brands. Due to these traits, and it being around for long enough to be the most commonly recommended paper for professionals, all of my swatches are done on this paper for consistency. Only white (and mica paints that do not show up on white) use the Legion Black paper instead. I buy my arches paper at Blick, and if you are in the USA this is likely the most affordable place to buy it: https://shrsl.com/2765w

Alpha by brand shopping directory:

Daniel Smith watercolors -- available on DB, Jack or Ama.
Rembrandt watercolors -- available on DB in Pans or Tubes, Jack or Ama.
Rosa Gallery can be found through the following links: 12 set, 24 set, 21 pans in tin, 28 pans in tin, and if none of those sellers are still active or ship to your country you can try the manufacturers website here.

Interested in other ways to help this project? Visit me at **Kimberly Crick Art on** YouTube or Patreon. If you have supplies that you would like to donate, such as watercolor dot cards or samples from your company that you would like reviewed or displayed in this pigment directory, please email me at enchantedgallery@gmail.com or use the contact form with details. Thank you :)

YELLOW
ORANGE
RED
VIOLET
BLUE
GREEN
BROWN
BLACK
WHITE + MICA
DYE-BASED

VIEW LIGHTFAST TESTS, REVIEWS AND COLORS GROUPED BY BRAND HERE!

Note: this page contains affiliate links. All product opinions are my own. I am committed to honest reviews showcasing both the pros and cons of each product. I have not received payment from any brand for a review. I earn a commission from sales made through this web page's clickable banners or links to Amazon, Arteza, Scrapbook, Jackson's or Blick Art Materials websites.

Copyright © 2026 Kimberly Crick. All Rights Reserved.
Site by Rawsterne for The Enchanted Gallery